





REV	DESCRIPTION	DATE	BY	CHK	APP
1	SEE SHIT 1				

	-01	-02	-03	-04	-05	-06
RO11	OMIT	OMIT	220	I20	I20	220
RO12			330	OMIT	OMIT	330
RO13			220	I20	I20	220
RO14			330	OMIT	OMIT	330
RO15			220	I20	I20	220
RO16			330	OMIT	OMIT	330
RO17			220	I20	I20	220
RO18			330	OMIT	OMIT	330
RO21			220	I20	I20	220
RO22			330	OMIT	OMIT	330
RO23			220	I20	I20	220
RO24			330	OMIT	OMIT	330
RO25			220	I20	I20	220
RO26			330	OMIT	OMIT	330
RO27			220	I20	I20	220
RO28			330	OMIT	OMIT	330
RO31			220	I20	I20	220
RO32			330	OMIT	OMIT	330
RO33			220	I20	I20	220
RO34			330	OMIT	OMIT	330
RO35			220	I20	I20	220
RO36			330	OMIT	OMIT	330
RO37			220	I20	I20	220
RO38			330	OMIT	OMIT	330
RO41			220	I20	I20	220
RO42			330	OMIT	OMIT	330
RO43			220	I20	I20	220
RO44			330	OMIT	OMIT	330
RO45			220	I20	I20	220
RO46			330	OMIT	OMIT	330
RO47			220	I20	I20	220
RO48			330	OMIT	OMIT	330
RO51			220	I20	I20	220
RO52			330	OMIT	OMIT	330
RO53			220	I20	I20	220
RO54			330	OMIT	OMIT	330
RO55			220	I20	I20	220
RO56			330	OMIT	OMIT	330
RO57			220	I20	I20	220
RO58			330	OMIT	OMIT	330
RO61			220	I20	I20	220
RO62			330	OMIT	OMIT	330
RO63			220	I20	I20	220
RO64			330	OMIT	OMIT	330
RO65			220	I20	I20	220
RO66			330	OMIT	OMIT	330
RO67			220	I20	I20	220
RO68			330	OMIT	OMIT	330
RO71			220	I20	I20	220
RO72			330	OMIT	OMIT	330
RO73			220	I20	I20	220
RO74			330	OMIT	OMIT	330
RO75			220	I20	I20	220
RO76			330	OMIT	OMIT	330
RO77			220	I20	I20	220
RO78	OMIT	OMIT	330	OMIT	OMIT	330

	-01	-02	-03	-04	-05	-06
RO81	OMIT	220	220	I20	270	220
RO82		330	330	OMIT	OMIT	330
RO83		220	220	I20	270	220
RO84		330	330	OMIT	OMIT	330
RO85		220	220	I20	270	220
RO86		330	330	OMIT	OMIT	330
RO87		220	220	I20	270	220
RO88		330	330	OMIT	OMIT	330
RO91		220	220	I20	270	220
RO92		330	330	OMIT	OMIT	330
RO93		220	220	I20	270	220
RO94		330	330	OMIT	OMIT	330
RO95		220	220	I20	270	220
RO96		330	330	OMIT	OMIT	330
RO97		220	220	I20	270	220
RO98		330	330	OMIT	OMIT	330
RI01		220	220	I20	270	220
RI02		330	330	OMIT	OMIT	330
RI03		220	220	I20	270	220
RI04		330	330	OMIT	OMIT	330
RI05		220	220	I20	270	220
RI06		330	330	OMIT	OMIT	330
RI07		220	220	I20	270	220
RI08		330	330	OMIT	OMIT	330
RI11		220	220	I20	270	220
RI12		330	330	OMIT	OMIT	330
RI13		220	220	I20	270	220
RI14		330	330	OMIT	OMIT	330
RI15		220	220	I20	270	220
RI16		330	330	OMIT	OMIT	330
RI17		220	220	I20	270	220
RI18		330	330	OMIT	OMIT	330
RI21		220	220	I20	270	220
RI22		330	330	OMIT	OMIT	330
RI23		220	220	I20	270	220
RI24		330	330	OMIT	OMIT	330
RI25		220	220	I20	270	220
RI26		330	330	OMIT	OMIT	330
RI27		220	220	I20	270	220
RI28		330	330	OMIT	OMIT	330
RI31		220	220	I20	270	220
RI32		330	330	OMIT	OMIT	330
RI33		220	220	I20	270	220
RI34		330	330	OMIT	OMIT	330
RI35		220	220	I20	270	220
RI36		330	330	OMIT	OMIT	330
RI37		220	220	I20	270	220
RI38		330	330	OMIT	OMIT	330
RI41		220	220	I20	270	220
RI42		330	330	OMIT	OMIT	330
RI43		220	220	I20	270	220
RI44		330	330	OMIT	OMIT	330
RI45		220	220	I20	270	220
RI46		330	330	OMIT	OMIT	330
RI47		220	220	I20	270	220
RI48		330	330	OMIT	OMIT	330
R1		220	220	I20	270	220
R2		330	330	OMIT	OMIT	330
R3		220	220	I20	270	220
R4		330	330	OMIT	OMIT	330
W1		USE	USE	OMIT	OMIT	OMIT
W2	OMIT	OMIT	OMIT	USE	USE	USE
C1, C011 THRU C141	USE	USE	USE	USE	USE	USE

102801 103000

PERIPHERAL EQUIPMENT CORRELATION TITLE SCHEMATIC, I/O TERMINATION RD 102800 41		102801 103000 102800 41
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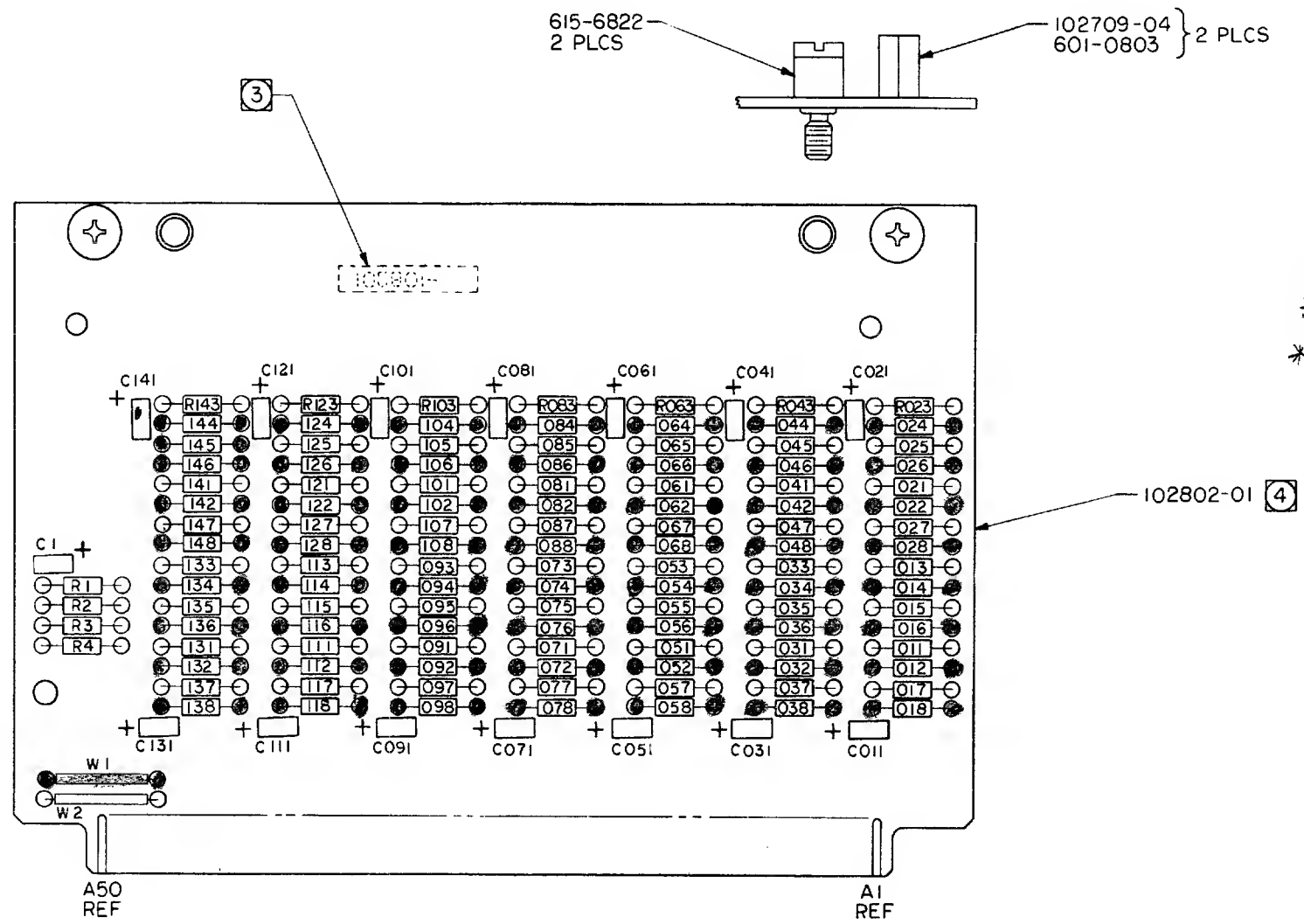
REVISIONS					
REV	DESCRIPTION	DATE	DR	CHK	APPR
A	ERN 4-G-W PRE-PRODUCTION RELEASE	5/17/72	RAS	7/1/72	1/1/72
	ERN 4-YH PRODUCTION RELEASE	7/1/72	7/1/72	7/1/72	7/1/72

615-6822  
2 PLCS

102709-04  
601-0803 } 2 PLCS

*Cable End Terminator Card*  
#102801-QYA

\* • = NO component  
\*\* ALL Resistors = 120 ohms  
\*\*\* W2 installed  
W1 NOT installed

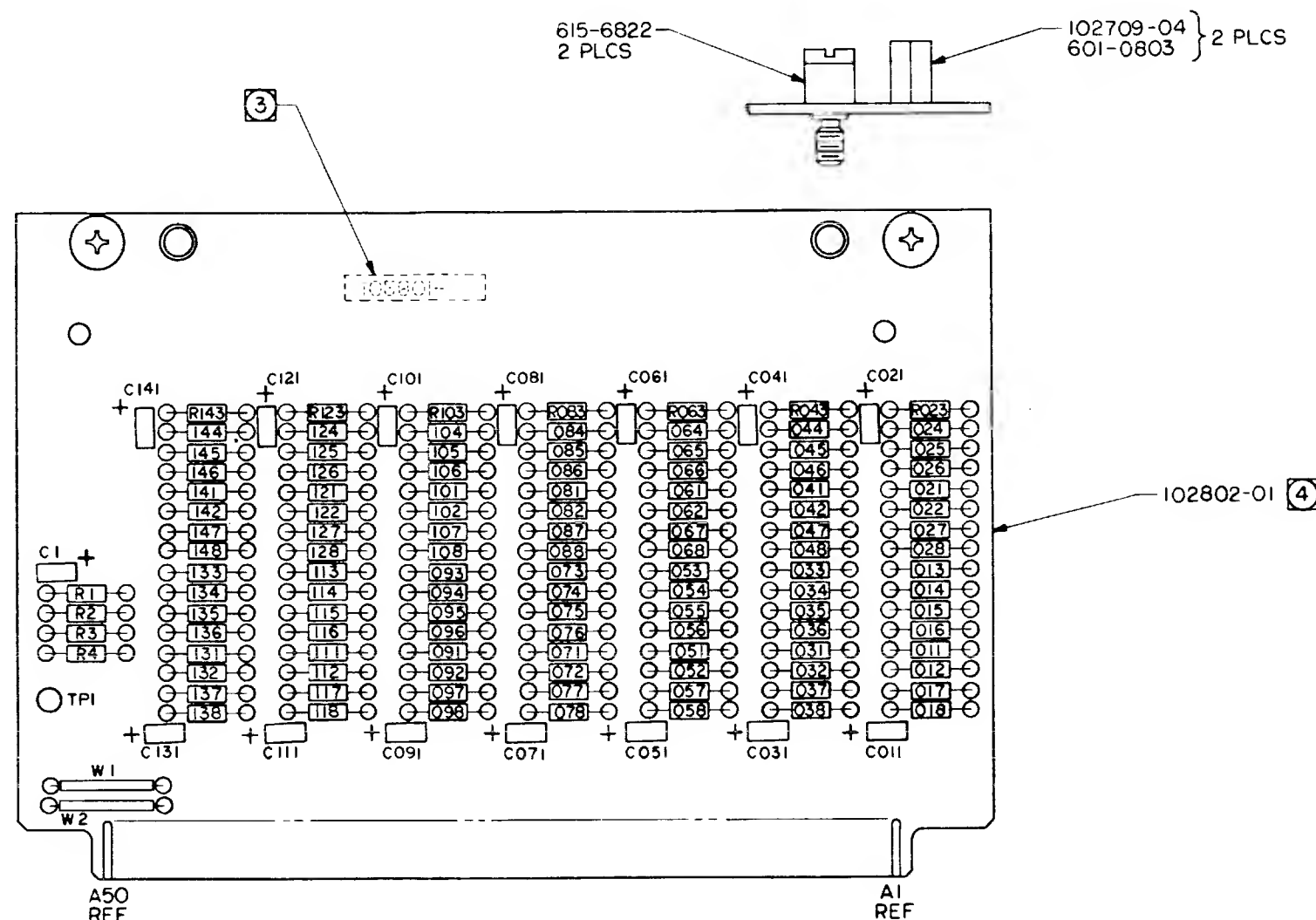


FOR ASSEMBLY VERSION INFORMATION SEE SCHEMATIC 102800.  
FOR LIST OF MATERIALS SEE LM 102801 AND APPLICABLE DASH NO.  
PART NO. 102801-07 REV A

- ④ THIS ASSY SHALL BE MADE FROM PROCESS BOARD 102802 REV C AND SUBSEQUENT.
- ③ RUBBER STAMP ASSY PART NO. 102801 INCLUDING VERSION NO AND VERSION ISSUE LETTER FARSIDE ORIENTED AS SHOWN.
2. ASSEMBLE PER STANDARD MFG METHODS.
1. REFERENCE DRAWING SCHEMATIC 102800.
- NOTES: UNLESS OTHERWISE SPECIFIED:

The information herein is the property of PERTEC CORPORATION. No portion of this data shall be released, disclosed, used, or duplicated, for procurement or manufacturing purposes, without specific written consent of PERTEC.		SIGNATURES		DATE	<b>PERTEC PERIPHERAL EQUIPMENT</b>  TITLE PCBA I/O TERMINATION BOARD
UNLESS OTHERWISE SPECIFIED:		DR <i>R. By</i>		5/20/72	
DIMENSIONS ARE IN INCHES		CHK <i>Chen</i>			
TOLERANCES:		DES			
.XX ±		ENGR <i>FULTZ</i>		6-27-72	
XXX ±		PROJ. ENGR <i>x of Jahn</i>		6-27-72	
X ±					
X ±					
BREAK-ALL SHARP CORNERS APPROX-0.010		FINISH:		MATL:	
NEXT ASSY		D3000		1ST USED ON	
APPLICATION					
SIZE	CODE/IDENT NO.	DWG NO.		REV	
D		102801		A	
SCALE	DO NOT SCALE DWG		SHEET	OF	

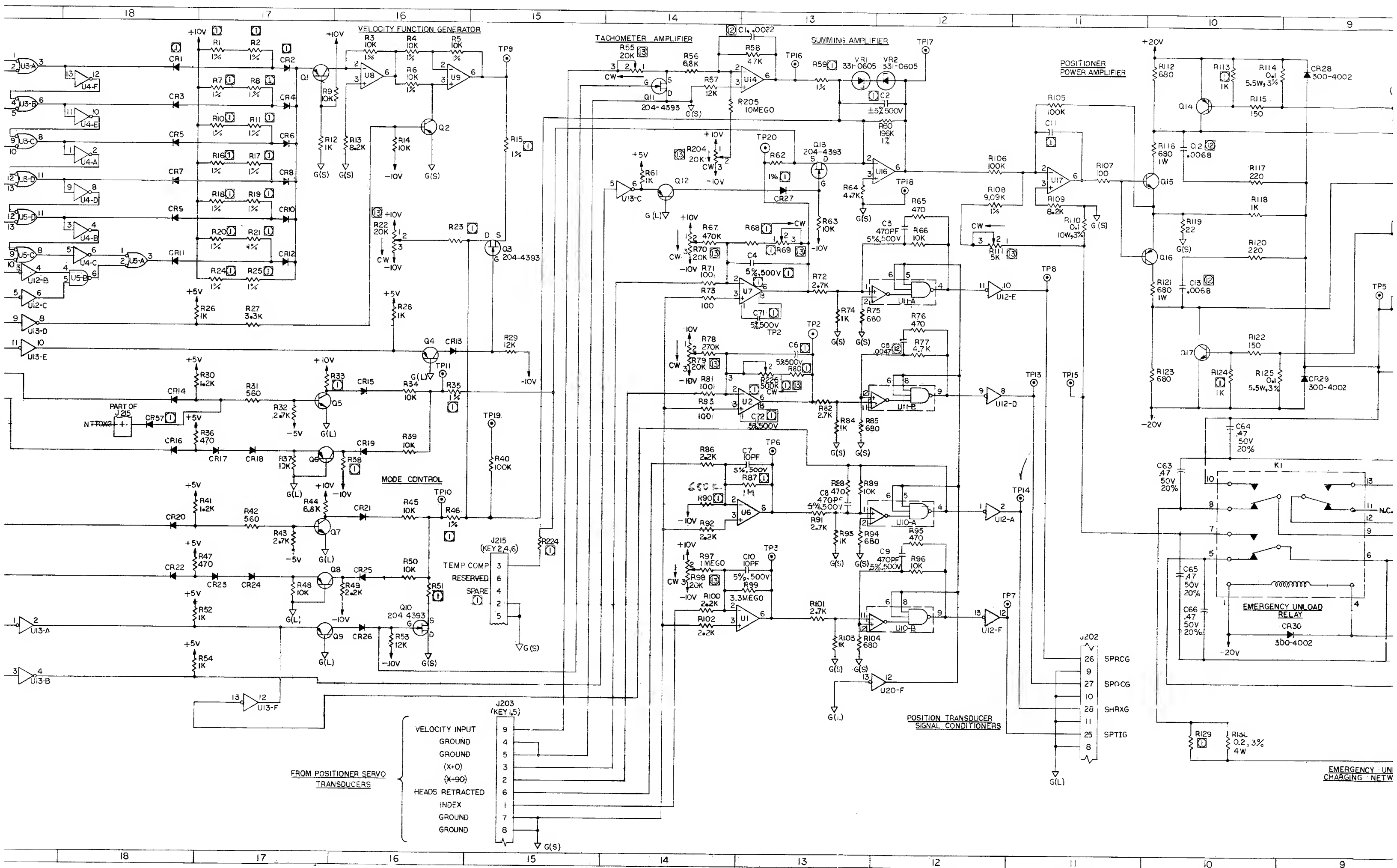
REVISIONS					
REV	DESCRIPTION	DATE	DR	CHK	APPR
A	ERN 46-W PRE-PRODUCTION RELEASE	7/19/72	RAS	WLS	WLS
B	ERN 4-YH PRODUCTION RELEASE	7/19/72	RAS	WLS	WLS
B	ECN 7331	8/1/72	WLS	WLS	WLS

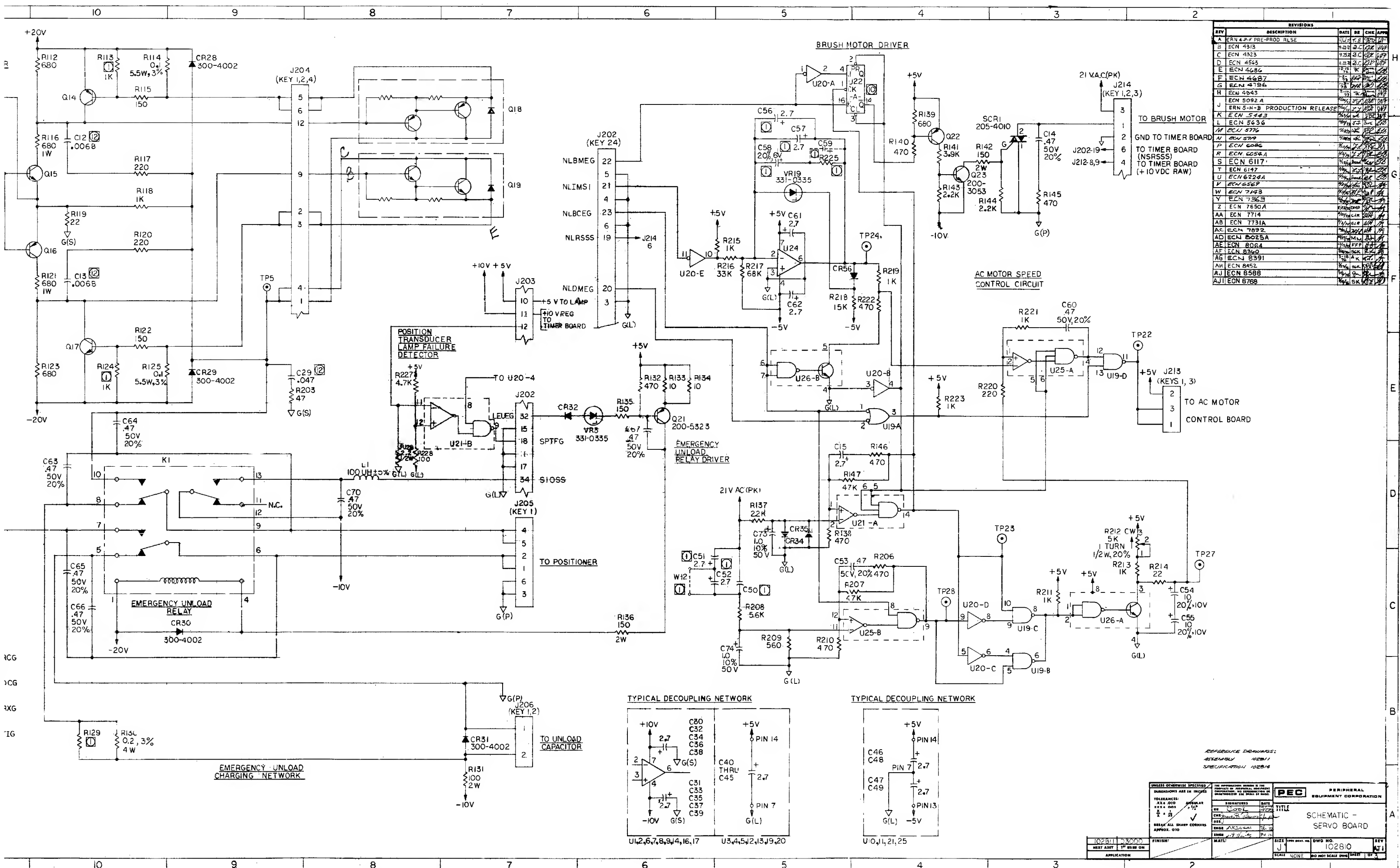


FOR ASSEMBLY VERSION INFORMATION SEE SCHEMATIC 102800.  
FOR LIST OF MATERIALS SEE LM 102801 AND APPLICABLE DASH. NO.  
PART NO. 102801-03 REV B

- 4 THIS ASSY SHALL BE MADE FROM PROCESS BOARD 102802 REV D AND SUBSEQUENT.
- 3 RUBBER STAMP ASSY PART NO. 102801 INCLUDING VERSION NO. AND VERSION ISSUE LETTER FARSIDE ORIENTED AS SHOWN.
2. ASSEMBLE PER STANDARD MFG METHODS.
1. REFERENCE DRAWING SCHEMATIC 102800.
- NOTES: UNLESS OTHERWISE SPECIFIED:

The information herein is the property of PERTEC CORPORATION. No portion of this data shall be released, disclosed, used, or duplicated, for procurement or manufacturing purposes without specific written consent of PERTEC.		SIGNATURES		DATE	<b>PERTEC</b> PERIPHERAL EQUIPMENT TITLE PCBA I/O TERMINATION BOARD
UNLESS OTHERWISE SPECIFIED		DR. R. J. [Signature]		7/19/72	
DIMENSIONS ARE IN INCHES		CHK. [Signature]			
TOLERANCES:		ENGR. FULTZ		6-22-72	
.XXX ±		PROJ. ENGR. [Signature]		6-22-72	
.XXX ±					
.X ±					
.X ±					
BEND-ALL SHARP CORNERS					
APPROX. 90°					
FINISH:		MATERIAL:			
NEXT ASSY		1ST USED ON			
APPLICATION					
SIZE	CODE IDENT NO.	DWG NO.	REV		
D		102801	B		
SCALE	DO NOT SCALE DWG	SHEET	OF		

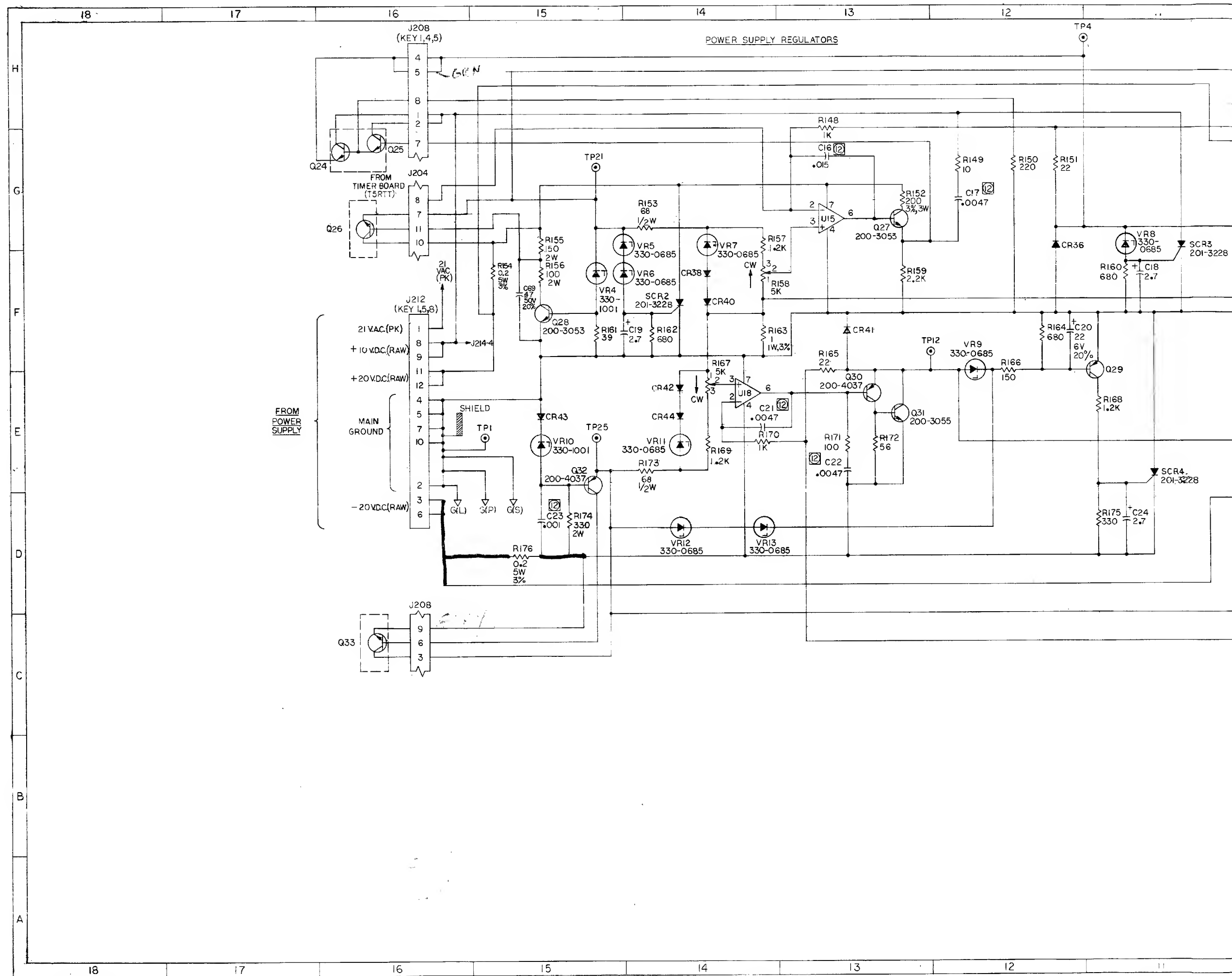




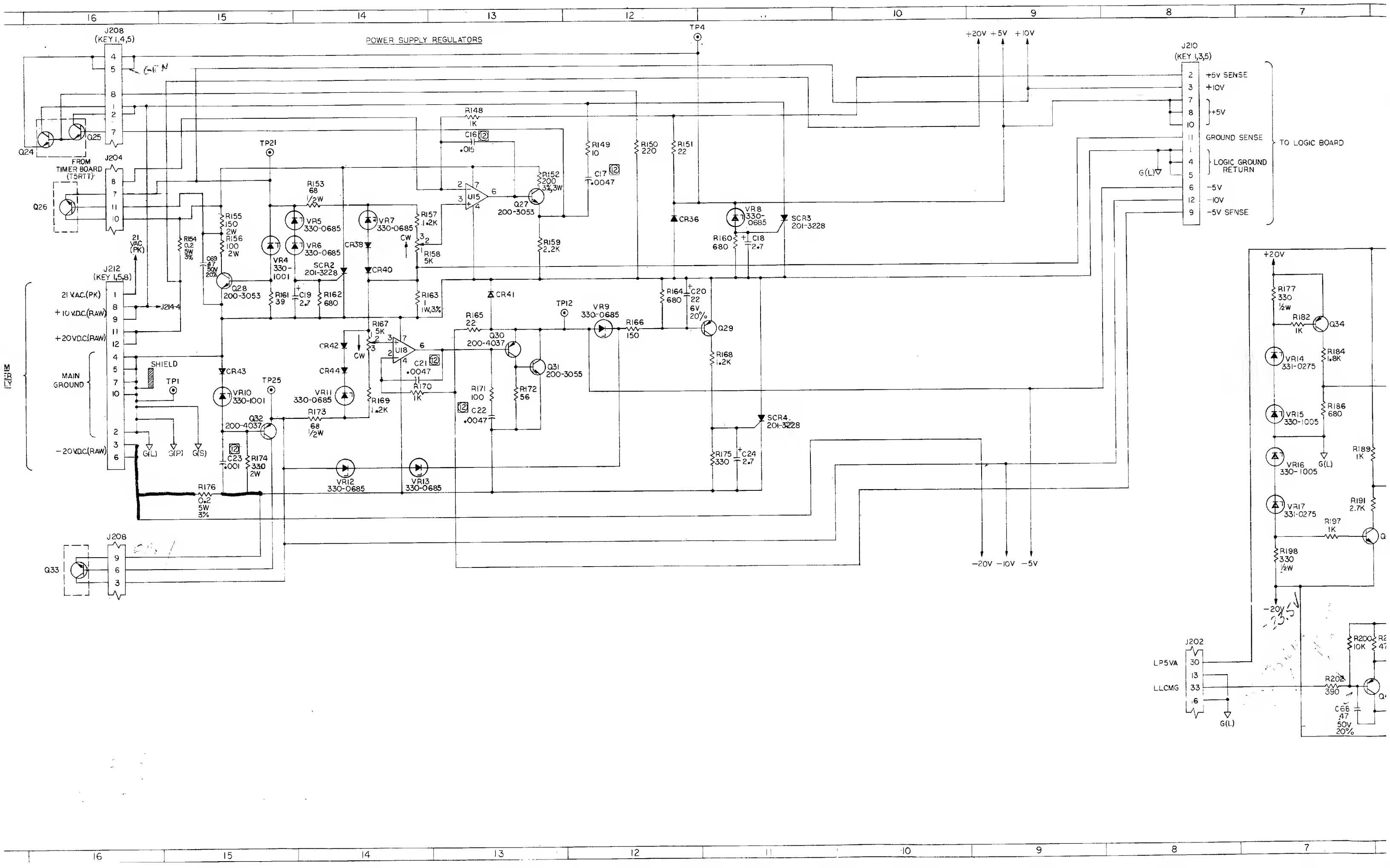
REVISIONS				
REV	DESCRIPTION	DATE	BY	CHK
A	ERN 4-P-F PRE-PROD RLSE	7/1/78	J.B.	W.H.
B	ECN 4313	9-28-80	J.C.	W.H.
C	ECN 4323	9-28-80	J.C.	W.H.
D	ECN 4565	12-28-80	J.C.	W.H.
E	ECN 4686	12-28-80	J.C.	W.H.
F	ECN 4687	1-1-81	J.C.	W.H.
G	ECN 4796	1-1-81	J.C.	W.H.
H	ECN 4943	1-1-81	J.C.	W.H.
J	ECN 5092 A	1-1-81	J.C.	W.H.
K	ERN 5-H-B PRODUCTION RELEASE	1-1-81	J.C.	W.H.
L	ECN 5443	1-1-81	J.C.	W.H.
M	ECN 5536	1-1-81	J.C.	W.H.
N	ECN 5776	1-1-81	J.C.	W.H.
P	ECN 5779	1-1-81	J.C.	W.H.
R	ECN 6082	1-1-81	J.C.	W.H.
S	ECN 6054 A	1-1-81	J.C.	W.H.
T	ECN 6117	1-1-81	J.C.	W.H.
U	ECN 6147	1-1-81	J.C.	W.H.
V	ECN 6224 A	1-1-81	J.C.	W.H.
W	ECN 6569	1-1-81	J.C.	W.H.
X	ECN 7143	1-1-81	J.C.	W.H.
Y	ECN 7363	1-1-81	J.C.	W.H.
Z	ECN 7650 A	1-1-81	J.C.	W.H.
AA	ECN 7714	1-1-81	J.C.	W.H.
AB	ECN 7731 A	1-1-81	J.C.	W.H.
AC	ECN 7892	1-1-81	J.C.	W.H.
AD	ECN 8025 A	1-1-81	J.C.	W.H.
AE	ECN 8064	1-1-81	J.C.	W.H.
AF	ECN 8340	1-1-81	J.C.	W.H.
AG	ECN 8391	1-1-81	J.C.	W.H.
AH	ECN 8452	1-1-81	J.C.	W.H.
AI	ECN 8588	1-1-81	J.C.	W.H.
AJ	ECN 8768	1-1-81	J.C.	W.H.

REFERENCE DRAWINGS:  
ASSEMBLY 102811  
SPECIFICATION 102814

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES		THE INFORMATION SHOWN IS THE PROPERTY OF PERIPHERAL EQUIPMENT CORPORATION. NO REPRODUCTION OR TRANSMISSION IS TO BE MADE.	
TOLERANCES: XX ± .010 XXX ± .005 X ± .015		SIGNATURES BY: [Signature] CHK: [Signature] DATE: 10/28/80	
BREAK ALL SHARP CORNERS APPROX. .010		TITLE SCHEMATIC - SERVO BOARD	
102811 130000 NEXT ASSY: TP 238 ON		SIZE: 100mm x 100mm SCALE: NONE DWG NO: 102810 REV: 1	









REVISIONS						
REV	DESCRIPTION	DATE	DR	CHK	APPR	
—	SEE SHT 1					2119

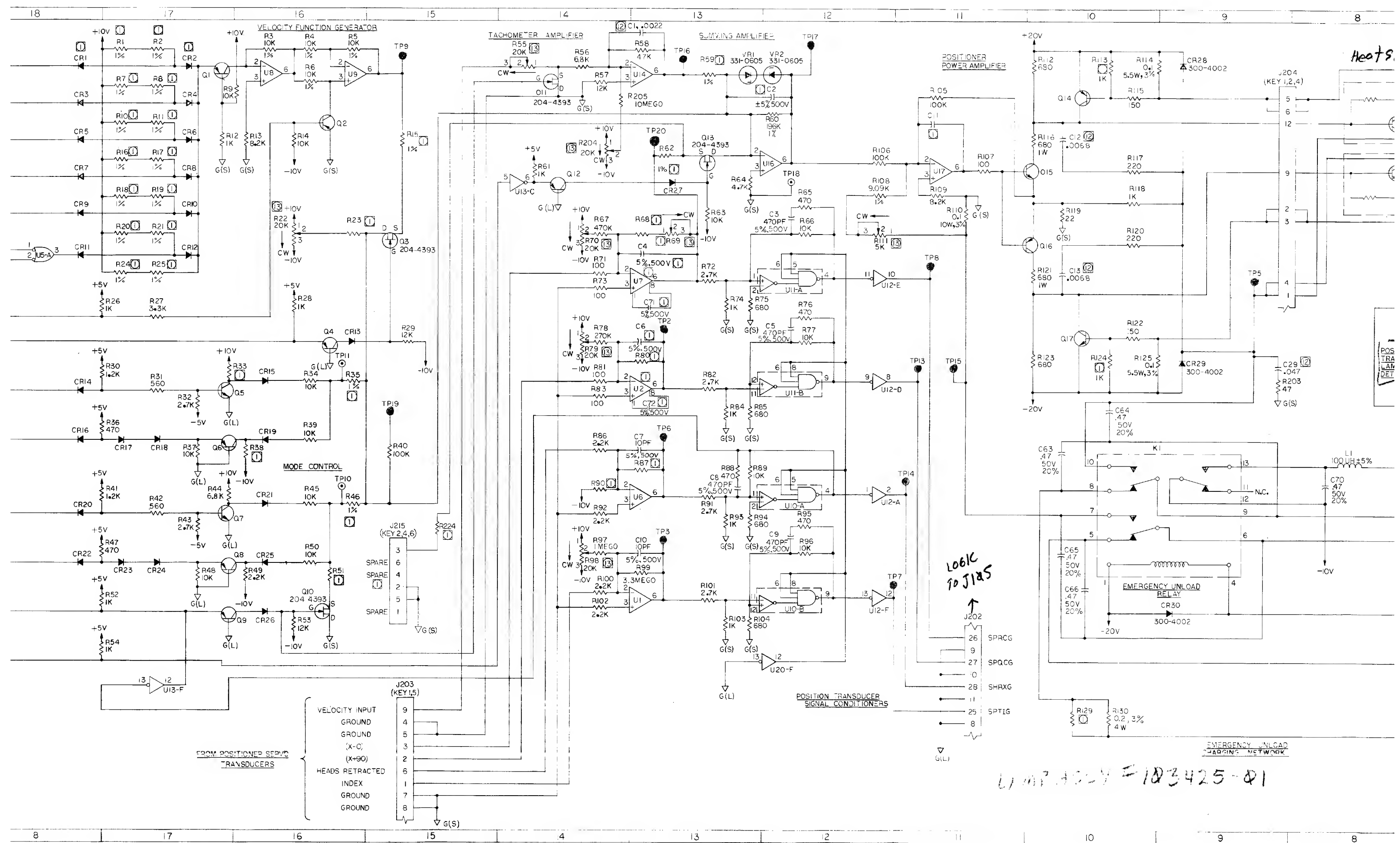
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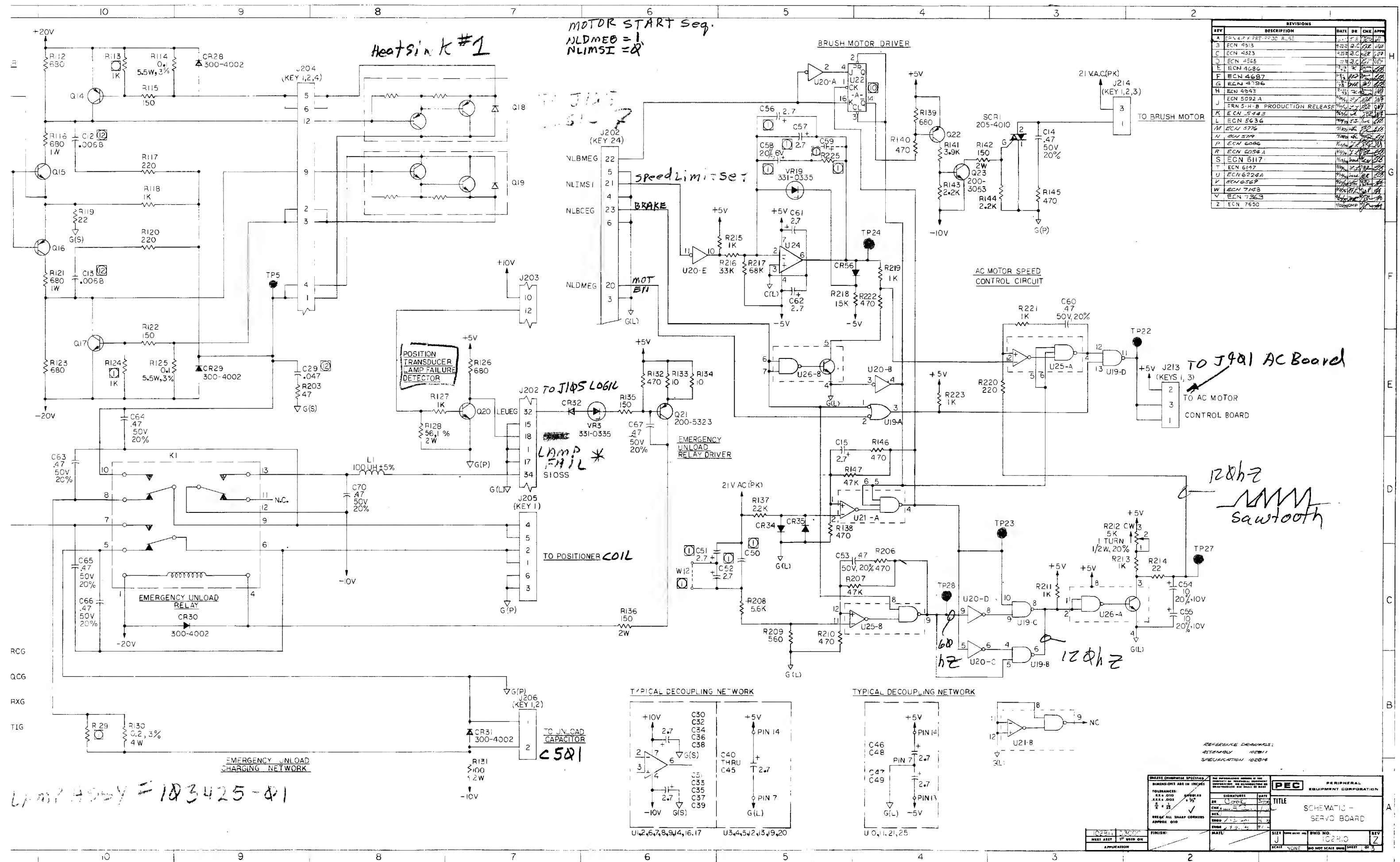
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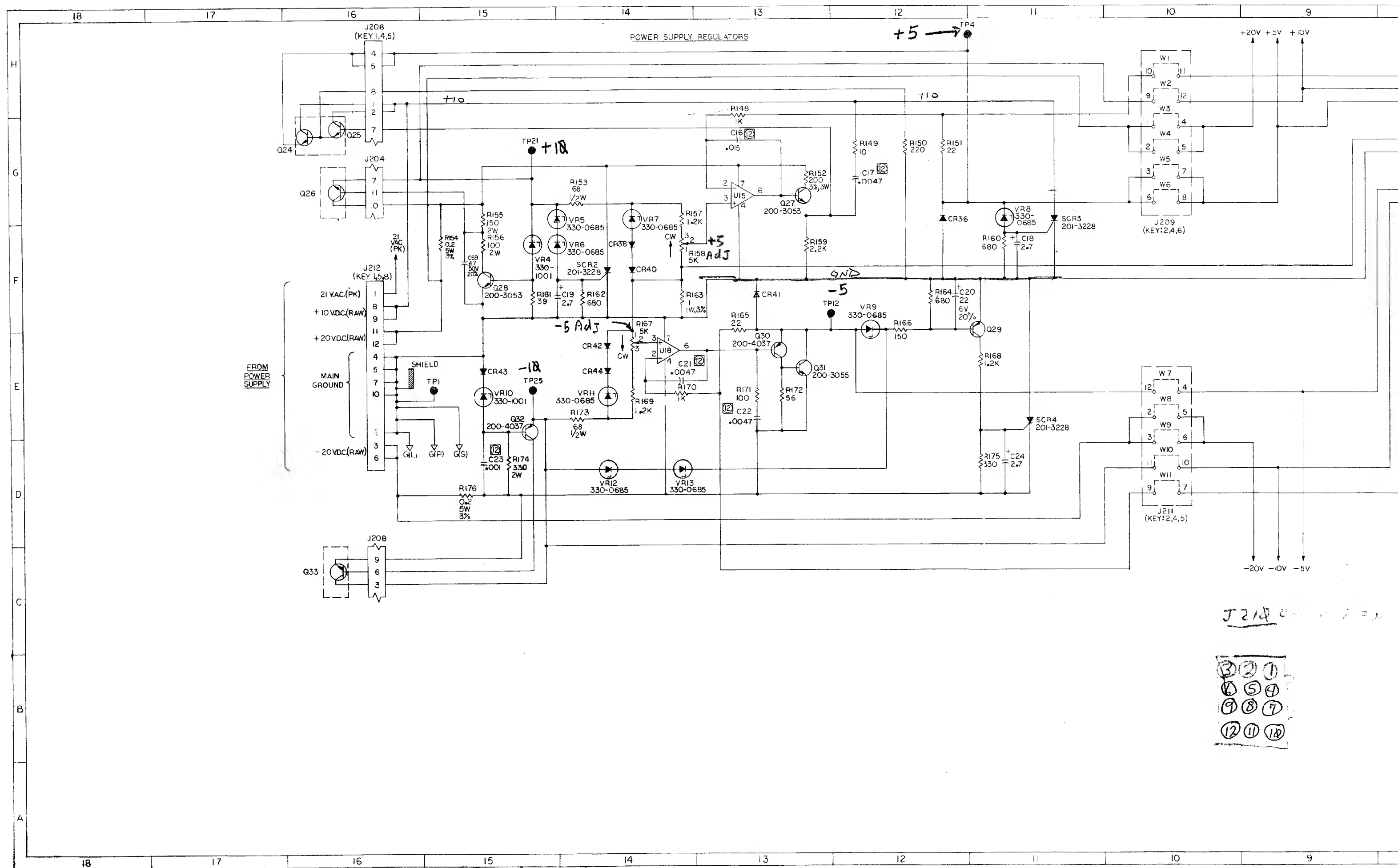
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D.CRi

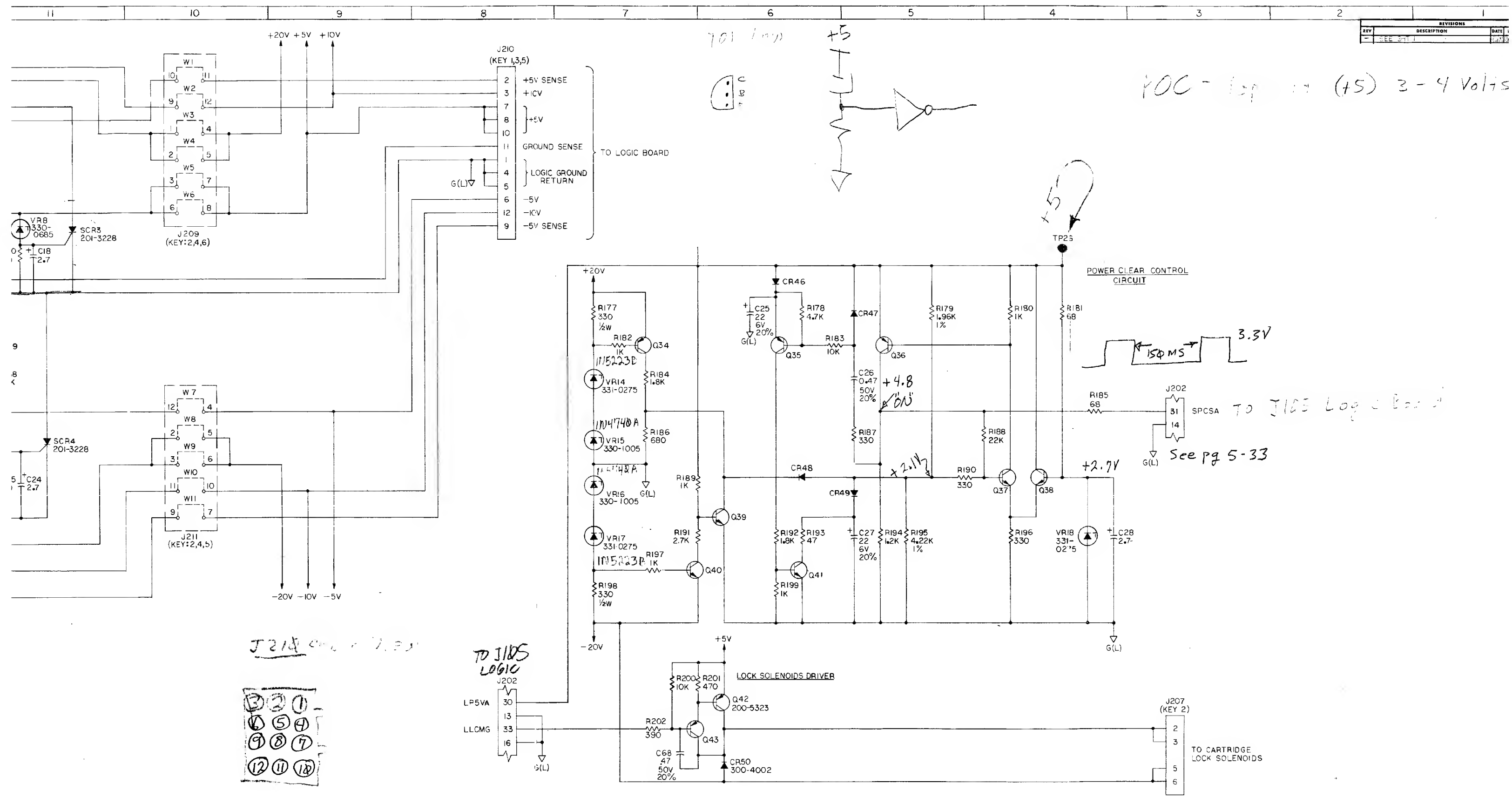
Δ







REVISIONS		
REV	DESCRIPTION	DATE
1	SEE 5-11	10/79



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: X.XX ± .010 X.XX ± .005 X ± .015 X ± .030 X ± .060 X ± .125 X ± .250 X ± .500 X ± 1.000 X ± 2.000 X ± 3.000 X ± 4.000 X ± 5.000 X ± 6.000 X ± 7.000 X ± 8.000 X ± 9.000 X ± 10.000		THE INFORMATION HEREON IS THE PROPERTY OF PERIPHERAL EQUIPMENT CORPORATION AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.		SIGNATURE DATE 10/79		TITLE SCHEMATIC - SERVO PC		DWG NO. 102810		SCALE NONE	
102810		03000		FINISH: NEXT ASST 10/79		MATERIAL		DO NOT SCALE DIMS			

18	17	16	15	14	13	12	11	10
TABLE I								
PART NO.	REF DESIGNATION	PART NO.	REF DESIGNATION	PART NO.	REF DESIGNATION	ASSEMBLY		
100-1005	R133,134,149	104-1002	R3,4,5,6	204-4393	Q3,10,11,13	102811	VERSION	
↑ -1015	R107,171,71,73,81,83	↑ -1961	R179			DASH NO.	CHARACTERISTIC	
↑ -1025	R12,26,28,52,54,61,74,84,93,103,118,127,148,170,180,182,197,199,211,215,219,221,223,189,213	↑ -1963	R60	205-4010	SCRI	-01	100TPI	VALUE 3.3K
↑ -1035	R9,14,34,37,39,45,48,50,63,66,77,89,96,83,200							PART NO. 100-3325
↑ -1045	R40, 105,106	↑ -4221	R195			-02	200TPI	VALUE 3.3K 220PF
↑ -1055	R97							PART NO. 100-3325
↑ -1225	R30,41,168,194,157,169	104-9091	R108	300-4002	CR28-31,50			130-2215
↑ -1235	R29,53,57	108-2013	R152	300-4446	CR3 THRU 27,32,34,35,36,38,40 THRU 44,46 THRU 49, 56			300-4446
↑ -1515	R115,122,135, 166							
↑ -1825	R184, 192	109-0002	R154,176					
		109-0003	R114,125					
↑ -2205	R119,151,165,214							
↑ -2215	R117,120, 220,150							
↑ -2225	R,49,86, 92,100,102,137,143,144,159	110-0011	R110	330-0685	VR5 THRU 9, 1 THRU 13			
↑ -2235	R188			330-1005	VR15,16			
		113-0103	R163	330-1001	VR4,10			
↑ -3905	R161							
↑ -2725	R32,43,72,82,91,101, 191	114-0561	R128	331-0275	VR18,14,17			
↑ -5625	R208	115-0002	R130	331-0335	VR3,19			
↑ -3315	R175, 187,190,196			331-0605	VR1,2			
↑ -3325	R27							
↑ -3335	R216	121-2030	R22,55,70,79,98,204	400-2741	UI, 6, 8,9,14 THRU 18,24			
↑ -3355	R99	121-5020	R111,158,167					
↑ -3915	R202							
↑ -3925	R141	123-5020	R212					
↑ -4705	R193,203			502-1243	KI			
↑ -4715	R36,47,65,76,88,95,132,138,145,146,201,140,206,180,222	130-1005	C7,10					
↑ -4725	R64,178	130-4715	C3,5,8,9	515-1015	LI			
↑ -4735	R147,207,58							
↑ -4745	R67							
↑ -5605	R172							
↑ -5615	R31,42,209							
↑ -6805	R181,185	131-1020	C23	700-5107	U10,11,21,25			
↑ -6815	R75,85,94,104,112,123,126,160,162,164,186, 139	↑ -2220	CI	↑ -7400	U3,5			
↑ -8225	R13,109	↑ -4720	CI7,21,22	↑ -7404	U4,2,20			
		↑ -4730	C29	↑ -7405	U13			
↑ -1065	R205	131-6820	CI2,3	↑ -7438	U19			
↑ -2745	R78	131-1530	CI6	↑ -7476	U22			
↑ -1535	R218			700-7545	U26			
↑ -6835	R217							
100-6825	R56,44	132-2262	C20,25,27					
		132-2752	CI5,18,19,24,28,30 THRU 49,61,62					
101-6805	R153,173	132-1062	C54,55					
101-3315	R177,198							
		135-4742	CI4,26,53,60,63 THRU 70					
102-6815	R116,121							
		200-3053	Q23,27,28					
		↑ -3055	Q31					
		↑ -4037	Q30,32					
		↑ -4123	Q5,7,15,17,20,37 THRU 41					
103-1015	R131,156	↑ -4125	Q1,2,4,6,8,9,12,14,16,22,29,34,35,36,43					
103-1515	R138,155,142							
		200-5323	Q21,42					
103-3315	R174							
		201-3228	SCR2,3,4					

ASSEMBLY	VERSION		R225	C2	C11	CR1	CR2
102811	CHARACTERISTIC						
DASH NO.		VALUE	3.3K	OMIT	OMIT	OMIT	OMIT
-01	100TPI	PART NO. 100-3325					
-02	200TPI	VALUE 3.3K	220PF	OMIT	USE	USE	
		PART NO. 100-3325	130-2215		300-4446	300-4446	

ASSEMBLY	VERSION		R15,59	R69	R224	C71,72	U2,7
102811	CHARACTERISTIC						
DASH NO.		VALUE	6.81K	500K	OMIT	OMIT	741 OP-A
-01	100TPI	PART NO. 104-6811	121-5040				400-27
-02	200TPI	VALUE 6.19K	500K	220K	OMIT		741 OP-A
		PART NO. 104-6191	121-5040	100-2245			400-27



TABLE I

REF DESIGNATION
R133,134,149
R107,171,71,73,81,83
R12,26,28,52,54,61,74,84,93,103,118,127,148,170,180,182,197,199,211,215,219,221,223,189,213
R9,14,34,37,39,45,48,50,63,66,77,89,96,183,200
R40,105,106
R97
R30,41,168,194,157,169
R29,53,57
R115,122,135,166
R184,192
R119,151,165,214
R117,120,220,150
R49,86,92,100,102,137,143,144,159
R188
R161
R32,43,72,82,91,101,191
R208
R175,187,190,196
R27
R216
R99
R202
R141
R193,203
R36,47,65,76,88,95,132,138,145,146,201,140,206,210,222
R64,178
R147,207,58
R67
R172
R31,42,209
R181,185
R75,85,94,104,112,123,126,160,162,164,186,139
R13,109
R205
R78
R218
R217
R56,44
R153,173
R177,198
R116,121
R131,156
R136,155,142
R174

TABLE I

PART NO.	REF DESIGNATION
104-1002	R3,4,5,6
1-1961	R179
1-1963	R60
1-4221	R195
104-9091	R108
108-2013	R152
109-0002	R154,176
109-0003	R114,125
110-0011	R110
113-0103	R163
114-0561	R128
115-0002	R130
121-2030	R22,55,70,79,98,204
121-5020	R111,158,167
123-5020	R212
130-1005	C7,10
130-4715	C3,5,8,9
131-1020	C23
1-2220	C1
1-4720	C17,21,22
1-4730	C29
131-6820	C12,13
131-1530	C16
132-2262	C20,25,27
132-2752	C15,18,19,24,28,30 THRU 49,61,62
132-1062	C54,55
135-4742	C14,26,53,60,63 THRU 70
200-3053	Q23,27,28
1-3055	Q31
1-4037	Q30,32
1-4123	Q5,7,15,17,20,37 THRU 41
1-4125	Q1,2,4,6,8,9,12,14,16,22,29,34,35,36,43
200-5323	Q21,42
201-3228	SCR2,3,4

TABLE I

PART NO.	REF DESIGNATION
204-4393	Q3,10,11,13
205-4010	SCRI
300-4002	CR28-31,50
300-4446	CR3 THRU 27,32,34,35,36,38,40 THRU 44,46 THRU 49,56
330-0685	VR5 THRU 9,11 THRU 13
330-1005	VR15,16
330-1001	VR4,10
331-0275	VR18,14,17
331-0335	VR3,19
331-0605	VR1,2
400-2741	U1,6,8,9,14 THRU 18,24
502-1243	K1
515-1015	L1
700-5107	U10,11,21,25
1-7400	U3,5
1-7404	U4,12,20
1-7405	U13
1-7438	U19
1-7476	U22
700-7545	U26

TABLE II

ASSEMBLY 102811 DASH NO.	VERSION CHARACTERISTIC		R225	C2	C11	CR1	CR2	R1	R2	R7	R8	R10	R11	R16	R17	R18	R19	R20	R21
01	100TPI	VALUE	3.3K	OMIT	OMIT	OMIT	OMIT	OMIT	OMIT	51K	215K	562K	3.83K	825K	2.61K	82.5K	2.61K	133K	9.09K
		PART NO.	100-3325							104-5112	104-2151	104-5622	104-3831	104-8252	104-2611	104-8252	104-2611	104-1333	104-909
02	200TPI	VALUE	3.3K	220PF	OMIT	USE	USE	51.1K	3.16K	61.9K	237	82.5K	4.64K	121K	3.16K	162K	12.1K	196K	26.1K
		PART NO.	100-3325	130-2215		300-4446	300-4446	104-5112	104-3161	104-6192	104-2370	104-8252	104-4641	104-1213	104-3161	104-1623	104-1212	104-1963	104-26

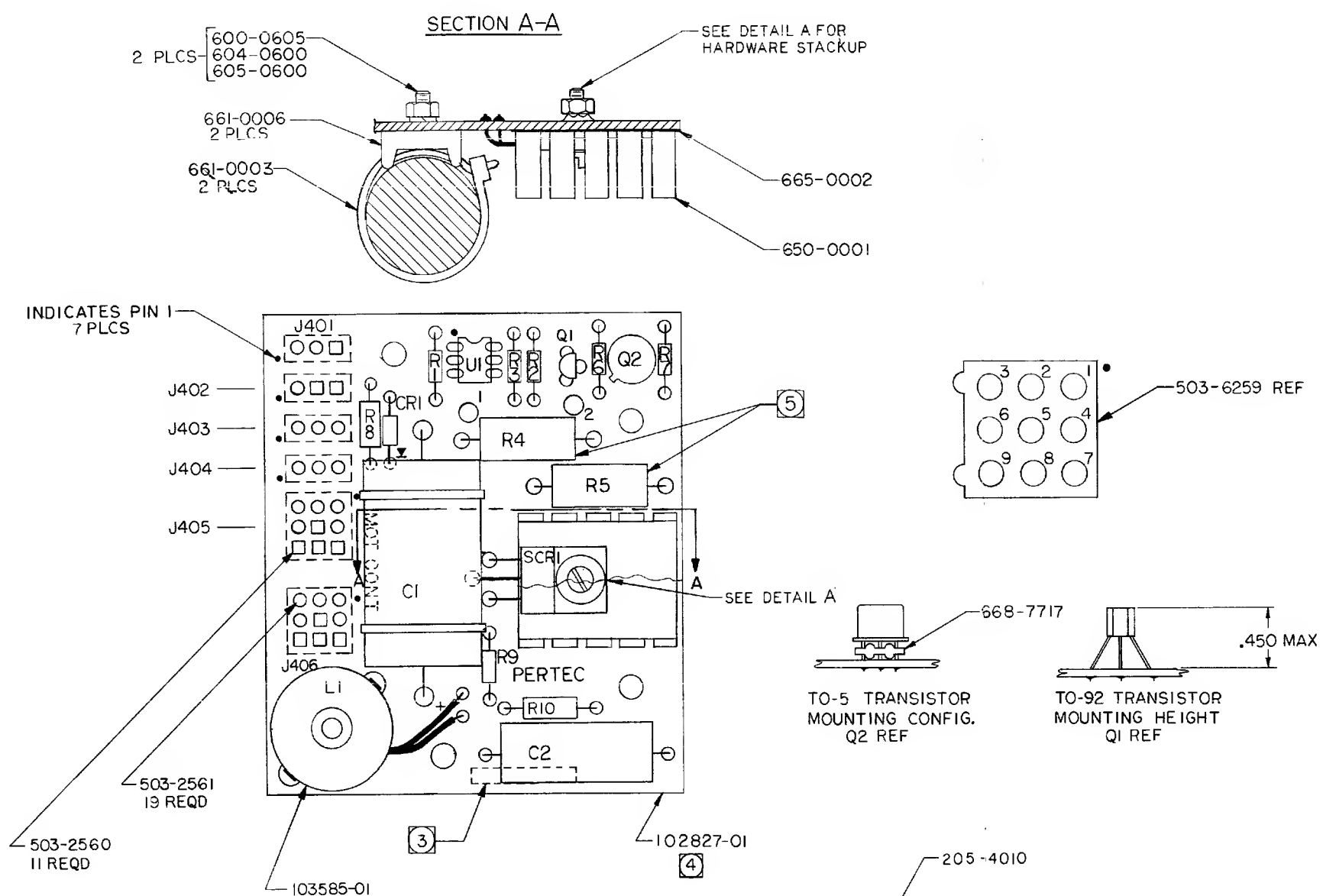
ASSEMBLY 102811 DASH NO.	VERSION CHARACTERISTIC		R15,59	R69	R224	C71,72	U2,7	J215	R87	R90	R33	R38
01	100TPI	VALUE	6.81K	500K	OMIT	OMIT	741 OP-AMP	OMIT	2.2MEGO	2.2MEGO	2.7K	2.2K
		PART NO.	104-6811	121-5040			400-2741		100-2255	100-2255	100-2725	100-2225
02	200TPI	VALUE	6.19K	500K	220K	OMIT	741 OP-AMP	USE	1.0MEGO	680K	12K	12K
		PART NO.	104-6191	121-5040	100-2245		400-2741		100-1055	100-6845	100-1235	100-1235



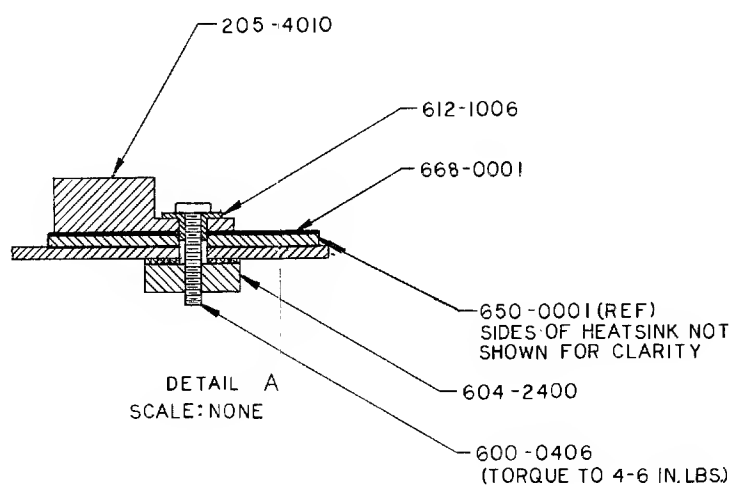




REVISIONS						
REV	DESCRIPTION	DATE	DR	CHK	APPR	
A	ERN 4-HX PRE-PROD RELEASE	5-11-72	J.C.	CH	J.H.	
B	ECN 4278	6/13/72	J.H.	CH	J.H.	
C	ERN 4-Y-Z PRODUCTION-RELEASE	11/1/72	J.H.	CH	J.H.	
D	ECN 5013	11/1/72	J.H.	CH	J.H.	
	ECN 5692A	11/1/72	J.H.	CH	J.H.	



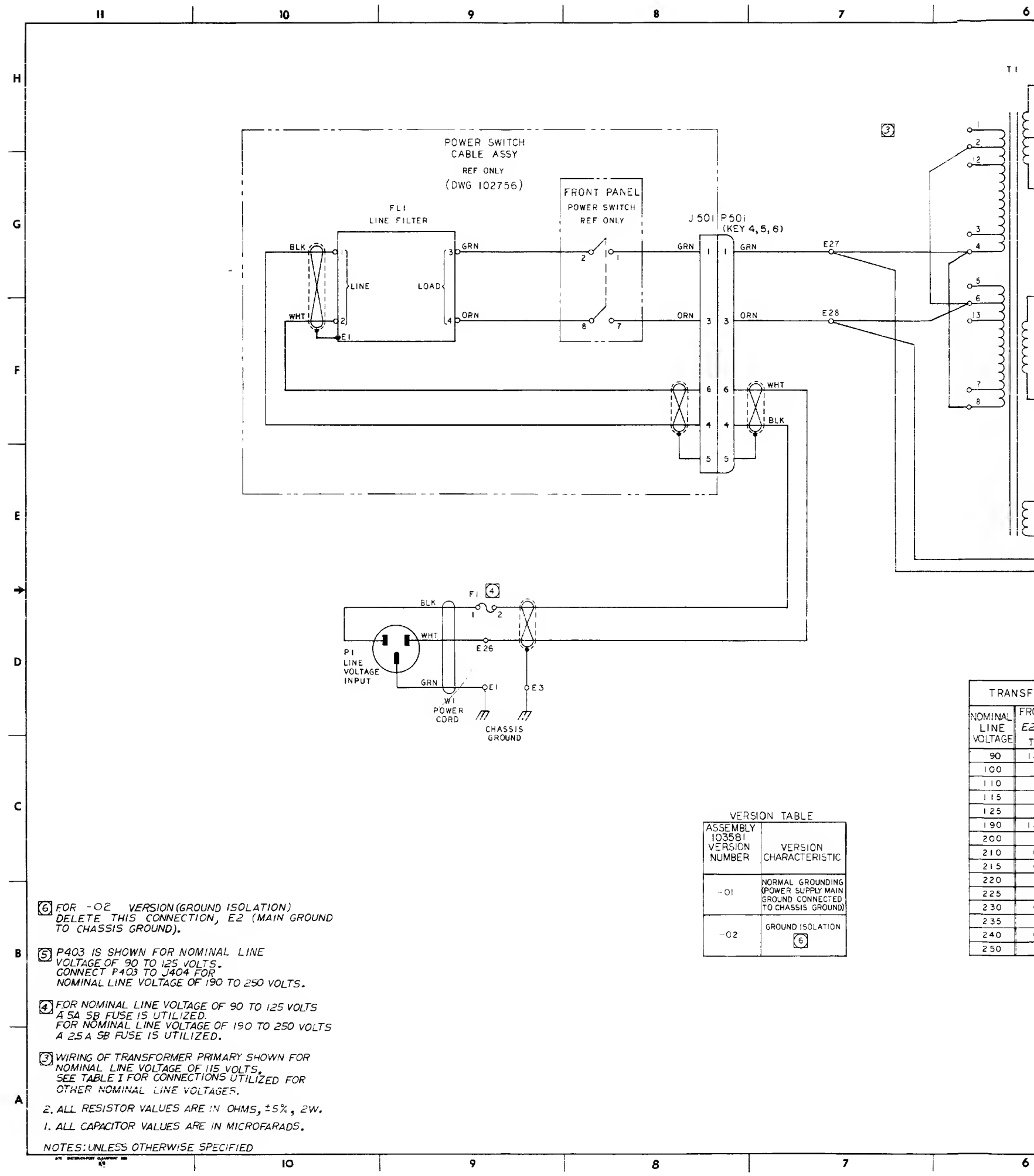
- ⑤ RESISTORS R4 & R5 SHOULD HAVE .100 CLEARANCE SPACE OFF THE SURFACE OF PC BOARD.
- ④ THIS ASSY SHALL BE MADE FROM PROCESS BOARD 102827-01 REV D AND SUBSEQUENT.
- ③ RUBBER STAMP ASSY PART NO. INCLUDING VERSION NO. AND VERSION ISSUE LETTER.
2. ASSEMBLE PER STANDARD MFG METHODS.
1. REFERENCE DRAWINGS: SCHEMATIC — 102825  
SPECIFICATION — 102829
- NOTES: UNLESS OTHERWISE SPECIFIED.



*Version -01 Rev D*

FOR ASSY VERSION INFORMATION SEE SCHEMATIC 102825.  
FOR LIST OF MATERIALS SEE LM102826 AND APPLICABLE DASH NO.

The information herein is the property of PERTEC CORPORATION. No portion of this data shall be released, disclosed, used, or duplicated, for procurement or manufacturing purposes without specific written consent of PERTEC.		SIGNATURES		DATE	<b>PERTEC</b> PERIPHERAL EQUIPMENT TITLE PCBA — MOTOR CONTROL
UNLESS OTHERWISE SPECIFIED	DR.	[Signature]		4/1/72	
DIMENSIONS ARE IN INCHES	CHK.	[Signature]		4/1/72	
TOLERANCES:	DES.	[Signature]		4/1/72	
.XX ±	ENGR.	[Signature]		4/1/72	SIZE CODE IDENT NO. DWG NO. 102826 SCALE 2/1 DO NOT SCALE DWG SHEET 1 OF 1
.XXX ±	PROJ. ENGR.	[Signature]		4/1/72	
ANGLULAR ± 1/32	FINISH:				REV D
X ±	MATERIAL:				
BREAK ALL SHARP CORNERS APPROX. .010	APPLICATION				



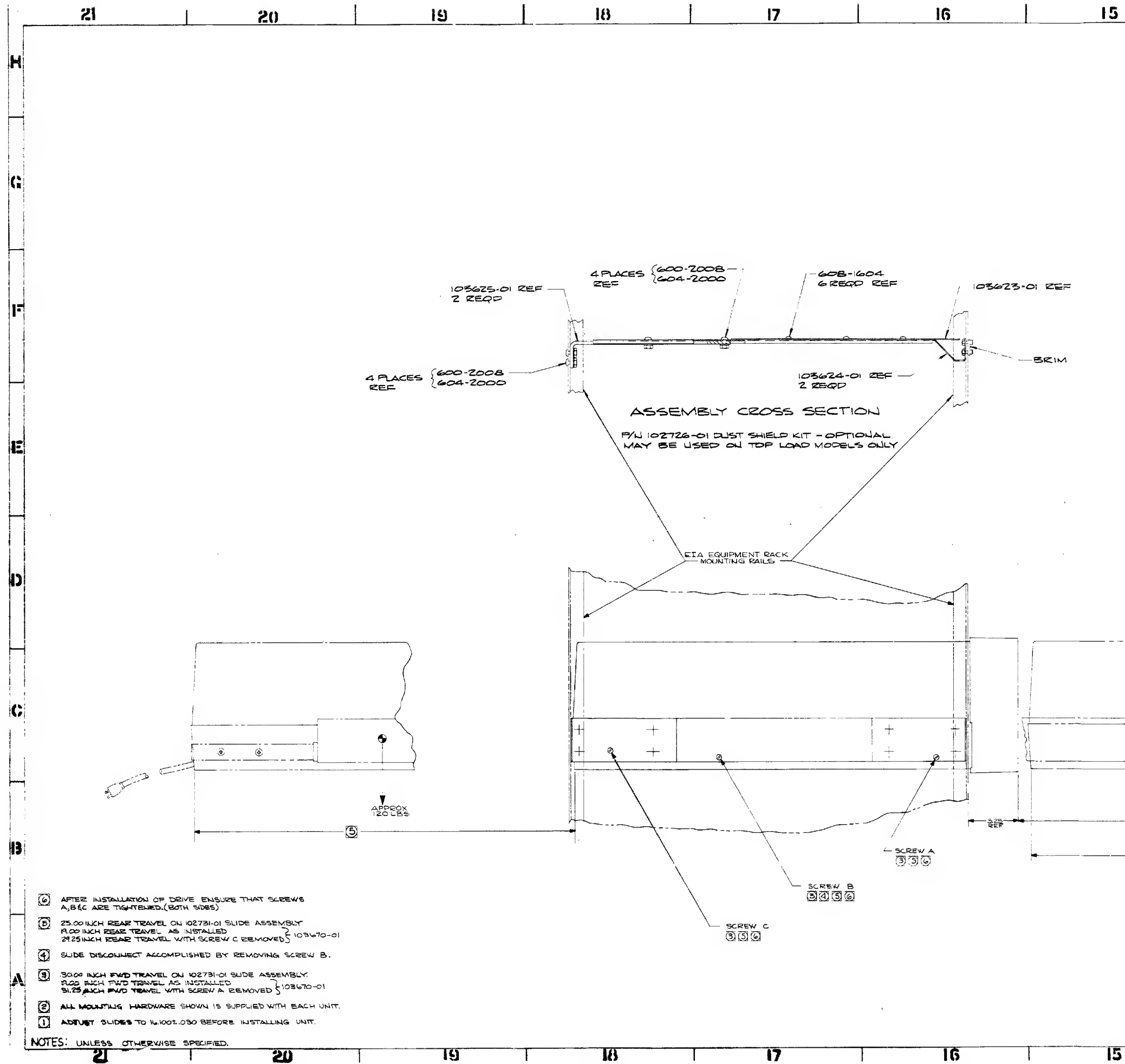
6. FOR -02 VERSION (GROUND ISOLATION) DELETE THIS CONNECTION, E2 (MAIN GROUND TO CHASSIS GROUND).
5. P403 IS SHOWN FOR NOMINAL LINE VOLTAGE OF 90 TO 125 VOLTS. CONNECT P403 TO J404 FOR NOMINAL LINE VOLTAGE OF 190 TO 250 VOLTS.
4. FOR NOMINAL LINE VOLTAGE OF 90 TO 125 VOLTS A 5A SB FUSE IS UTILIZED. FOR NOMINAL LINE VOLTAGE OF 190 TO 250 VOLTS A 25A SB FUSE IS UTILIZED.
3. WIRING OF TRANSFORMER PRIMARY SHOWN FOR NOMINAL LINE VOLTAGE OF 115 VOLTS. SEE TABLE I FOR CONNECTIONS UTILIZED FOR OTHER NOMINAL LINE VOLTAGES.
2. ALL RESISTOR VALUES ARE IN OHMS,  $\pm 5\%$ , 2W.
1. ALL CAPACITOR VALUES ARE IN MICROFARADS.

NOTES: UNLESS OTHERWISE SPECIFIED

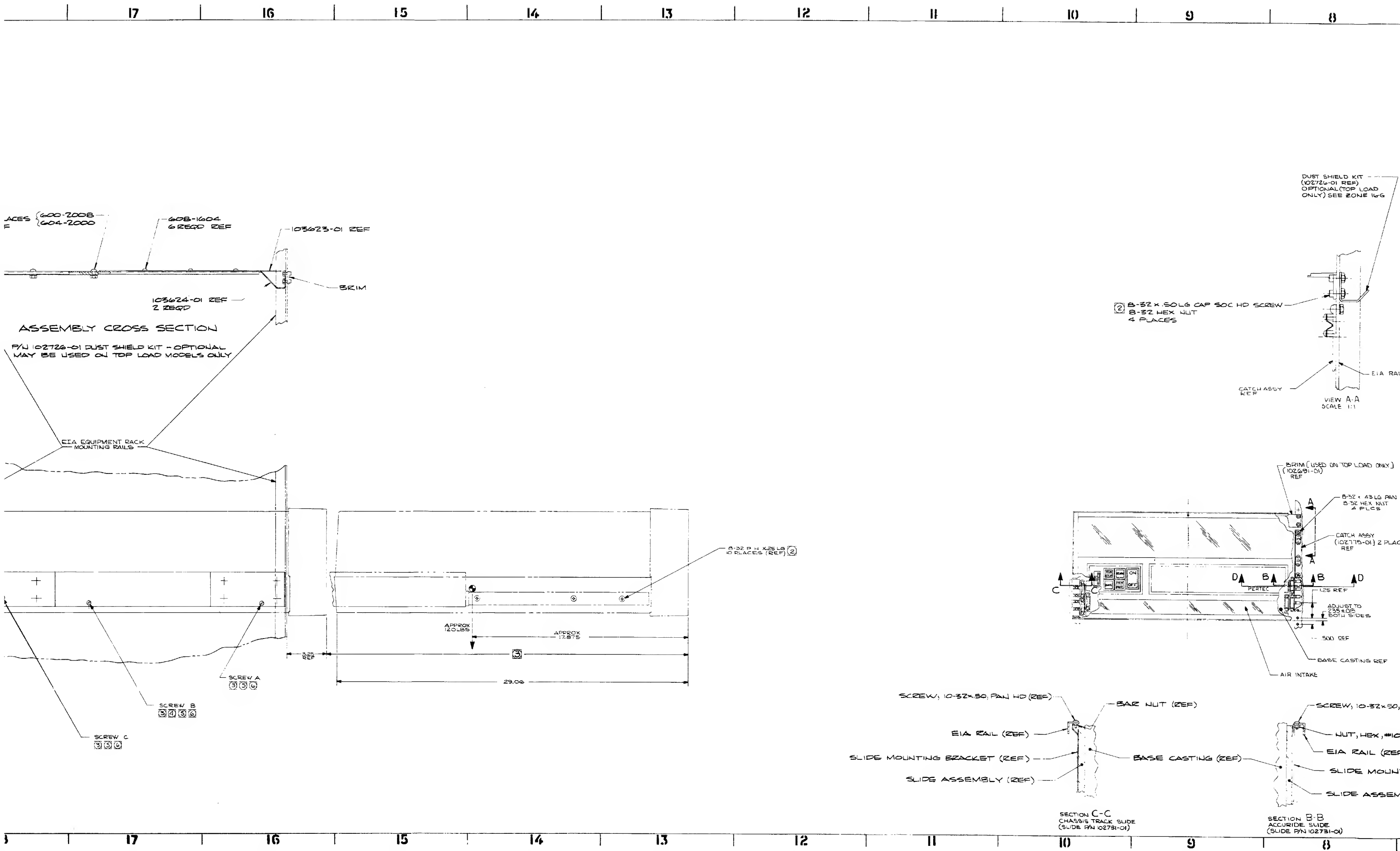
VERSION TABLE	
ASSEMBLY 103581 VERSION NUMBER	VERSION CHARACTERISTIC
-01	NORMAL GROUNDING (POWER SUPPLY MAIN GROUND CONNECTED TO CHASSIS GROUND)
-02	GROUND ISOLATION 6

TRANSFORMER T1	
NOMINAL LINE VOLTAGE	FROM E28 TO T1
90	13
100	6
110	5
115	6
125	5
190	13
200	6
210	6
215	6
220	5
225	5
230	6
235	5
240	6
250	5









10

9

8

7

6

5

4

3

2

1

REVISIONS				
REV	DESCRIPTION	DATE	BY	CHK APPR
A	ENH 4-KE PRE-PROD RELEASE	1/1/70	ECN	
B	ENH 4-LH PRODUCTION RELEASE	1/1/70	ECN	
C	ECN 5987	1/1/70	ECN	
D	ECN 5992	1/1/70	ECN	
E	ECN 6398	1/1/70	ECN	

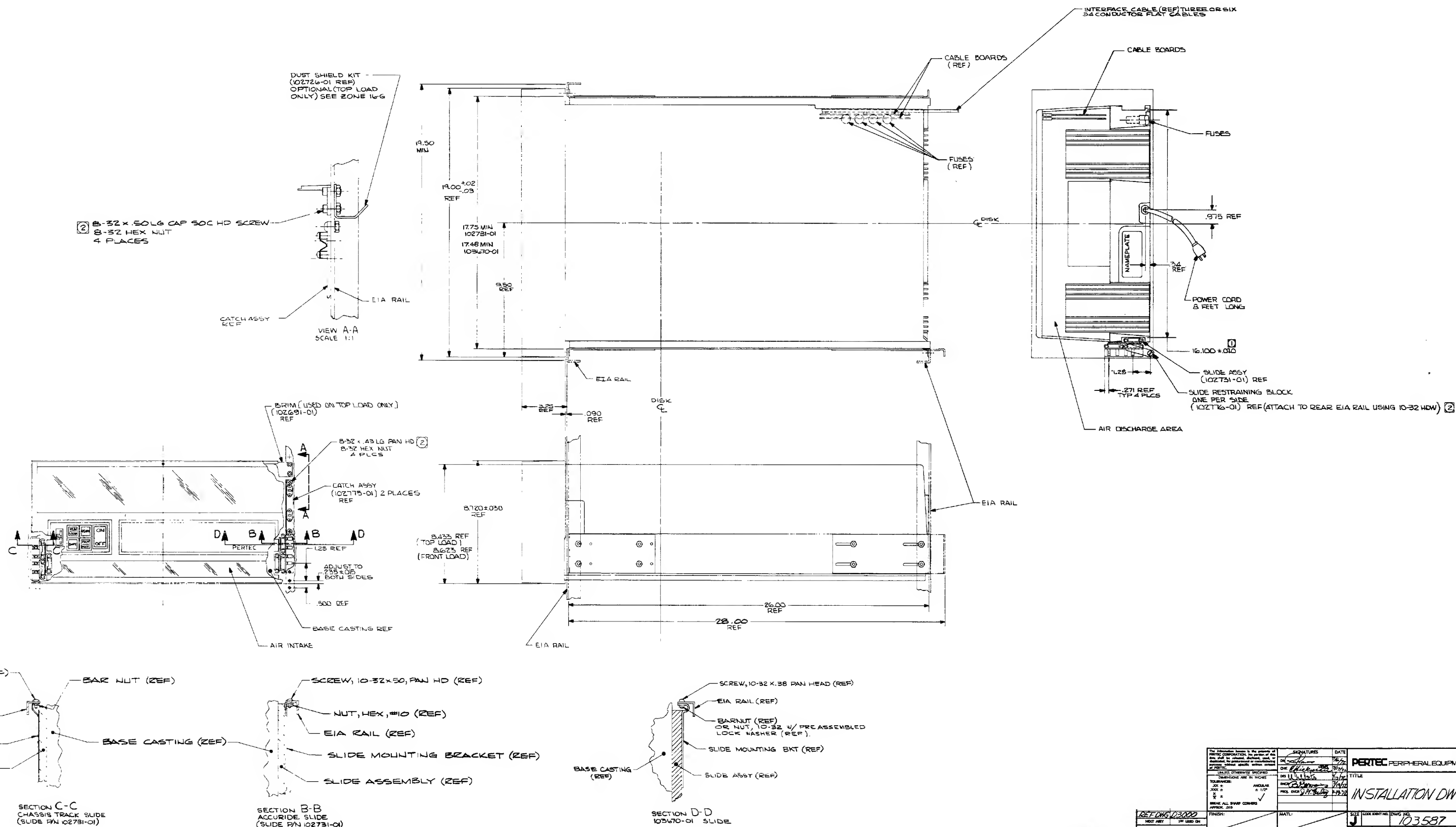


TABLE I (3)

PART NO.	REF. DESIGNATION	PART NO.	REF. DESIGNATION
100-1016	R12	700-4161	U1, 41, 61, 109, U121, 124, 125, U143, 144, 145, U181, 184, 186, U181, 184, 202, U205, 221, 241, U283
100-1038	R1 THRU 8, 17 THRU 24, 28, 43, 46, 47, 58, 59, 67 THRU 70, 73		
100-1039	R3, 52, 93		
100-1518	R9, 90		
100-1528	R38		
100-1545	R37		
100-1825	R42	700-4164	U2, 22, 23, 43, 109
100-2218	R14		
100-2718	R32, 38	700-5167	U288, 408
100-2725	R1, 54		
100-2745	R63	700-5733	U227
100-3318	R11, 40		
	R64	700-7400	U49, 86, 87, U165, 223, 246, 282, 304, 328, U343, 385, 403
100-3325	R33, 65		
100-4715	R27, 36, 48, 49		
100-4725	R10, 34, 51	700-7402	U48, 63, 82, 108, U128, 183, 187, U263, 284, 324, U327, 383, 405, 446
100-4735	R60, 61, 84		
100-5635	R62	700-7404	U42, 50, 51, 71, U72, 81, 102, U123, 182, 185, U186, 222, 224, U226, 303, 348, U382, 383, 385, U401, 408, 423, U448
100-6818	R15		
100-6825	R53, 56		
		700-7405	U147, 444, 446, U447
101-6805	R44, 45		
		700-7410	U107 U264, 266, 326, U346, 361, 404
104-2370	R13		
104-5112	R28	700-7413	U286, 405
104-5113	R29, 30		
		700-7430	U308, 442
		700-7450	U62, 84, 85, 89, U104, 105
121-5020	R97		
		700-7476	U83, U129, 142, 183, U167, 203, 206, U242, 243, 267, U341, 344, 345, U364, 384, 428
130-1005	C8		
130-1515	C22	700-7483	U382, 421
130-4705	C11, 15, 23		
130-2215	C1	700-7486	U422, 441, 443
130-6805	C24	700-7493	U225, 245, 285, U285, 305, 325
131-1020	C12	700-7496	U88, 10, U182, 244, 323, 347
131-1530	C79, 80		
132-2762	C18, 17	700-7419	U287, 302, 308, U321, 342, 381
132-2782	C6, 7, 9, 10, 13, 14, C18, 19, 20, 28, C26, 28, 29, 30 THRU 76	700-7545	U3, 44, 45, 46, 47, U64, 65, 66, 67, U68, 69, 70, 386, U407, 424
136-4742	C2, 3, 8, 21, 27, 77	700-7485	U261, 282, 281
200-3281	G1, 2	700-7490	U127, 148
		U33755-01	C3
300-4446	CR5		
330-0885	CR6		
400-0318	U423		
400-2741	U148, 387		
524-0002	Y1		

SPARE GATES

		U448 700-7408	U605 700-7413
U86 700-7400	U443 700-7402	U226 700-7404	
U163 700-7400	U222 700-7404	U444 700-7405	
U282 700-7400	U408 700-7404	U346 700-7410	U70 700-7545
U328 700-7400		U404 700-7410	U386 700-7545

REFERENCE DESIGNATIONS

LAST USED	NOT USED	DELETED
C8	C4	
CR6		
Q3		
U128	U115 THRU U120	
R74	R16	
TP30		
U448	U4 THRU 21, 24 THRU 40, U52 THRU 60, 73 THRU 80, U90 THRU 100, 103, 110 THRU 120, U126, 130 THRU 141, 148 THRU 160, U189 THRU 180, 188 THRU 201, U204, 207 THRU 220, 228 THRU 240, U247 THRU 260, 269 THRU 280, U288 THRU 303, 307, 309 THRU 320, U329 THRU 340, 349 THRU 360, U366 THRU 380, 388 THRU 400, U410 THRU 420, 426 THRU 440	
U226		
Y1		

ASSY 103705 VERSION NUMBER	TRACKS PER INCH		INTERNAL TERMINATION VOLTAGE POWER SUPPLY	VOL FEET
	100	200		
-01	X		X	
-02		X	X	
-03	X			
-04		X		
-05	X		X	
-06		X	X	
-07	X			
-08		X		
-09				
-10		X	X	
-11	X		X	
-12		X	X	
-13	X			
-14		X		
-15	X		X	
-16		X	X	
-17	X			
-18		X		
-19	X		X	
-20		X	X	

TABLE II (4)

ASSY 103705 VERSION NUMBER	W23 P/N 100-0005	W24 P/N 100-0005	W25 P/N 100-0005
	USAGE		
-01	USE	OMIT	USE
-02			
-03			
-04			
-05			
-06			
-07			
-08			
-09	USE	OMIT	USE
-10	USE	OMIT	USE
-11	OMIT	USE	OMIT
-12			
-13			
-14			
-15			
-16			
-17			
-18			
-19	OMIT	USE	OMIT
-20	OMIT	USE	OMIT

TABLE II 5

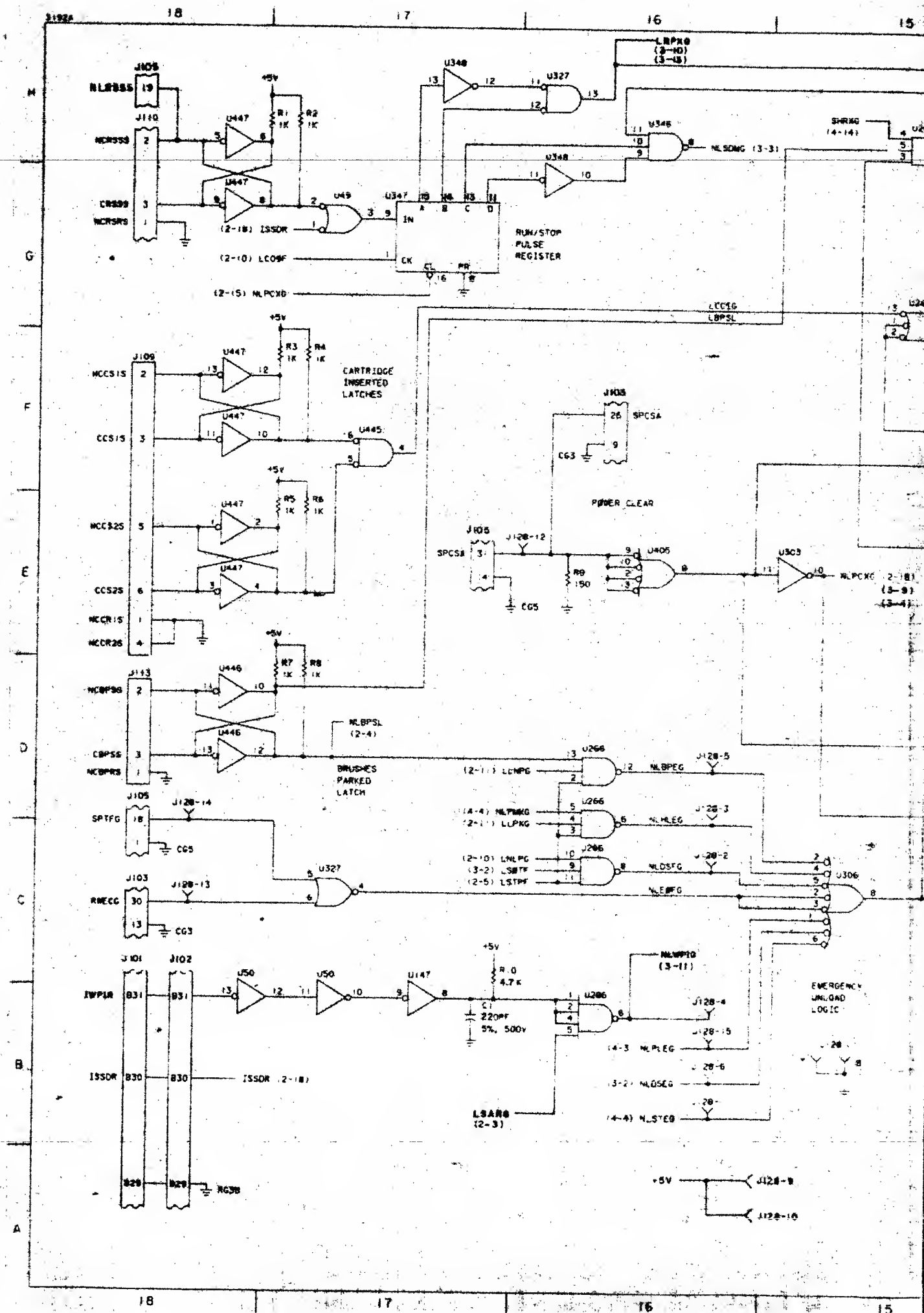
ASSY VERSION NUMBER	TRACKS PER INCH		INTERNAL TERMINATION VOLTAGE POWER SUPPLY	TERMINATION VOLTAGE FEED-THRU	GROUND ISOLATION	SPECIAL INTERFACE SIGNAL OPTION FOR SAFE CONDITION INDICATION	READY SIGNAL GATED BY INTERNAL TEMP GO 200 TPI ONLY	200 TPI INTERNAL TEMP GO	4.5V TIMER	C41 THRU C44 P/N 300-4002	C70 P/N 137-2230	R25,26 P/N 100-1815	R71 P/N 101-1825	R72 P/N 101-1825	U301,322 P/N 700-7416	U402 P/N 700-7488	W1 P/N 100373-01	W3 P/N 100373-02	W4 P/N 100373-01	W6	W7	W9	W10	W11	W12	W13	W14 P/N 100373-01	W15	W16	W17	W18	
	100	200																														
-0	X		X																													
-02		X	X					X																								
-03	X			X																												
-04		X			X			X																								
-06	X		X																													
-08		X						X																								
-07	X			X																												
-09		X			X			X																								
-10		X	X	X																												
-31	X		X						X																							
-32		X	X	X				X	X																							
-33	X				X				X																							
-34		X		X				X	X																							
-35	X		X					X	X																							
-36		X	X	X				X	X																							
-37	X				X			X	X																							
-38		X		X				X	X																							
-39	X		X					X	X																							
-40		X	X	X		X		X	X																							

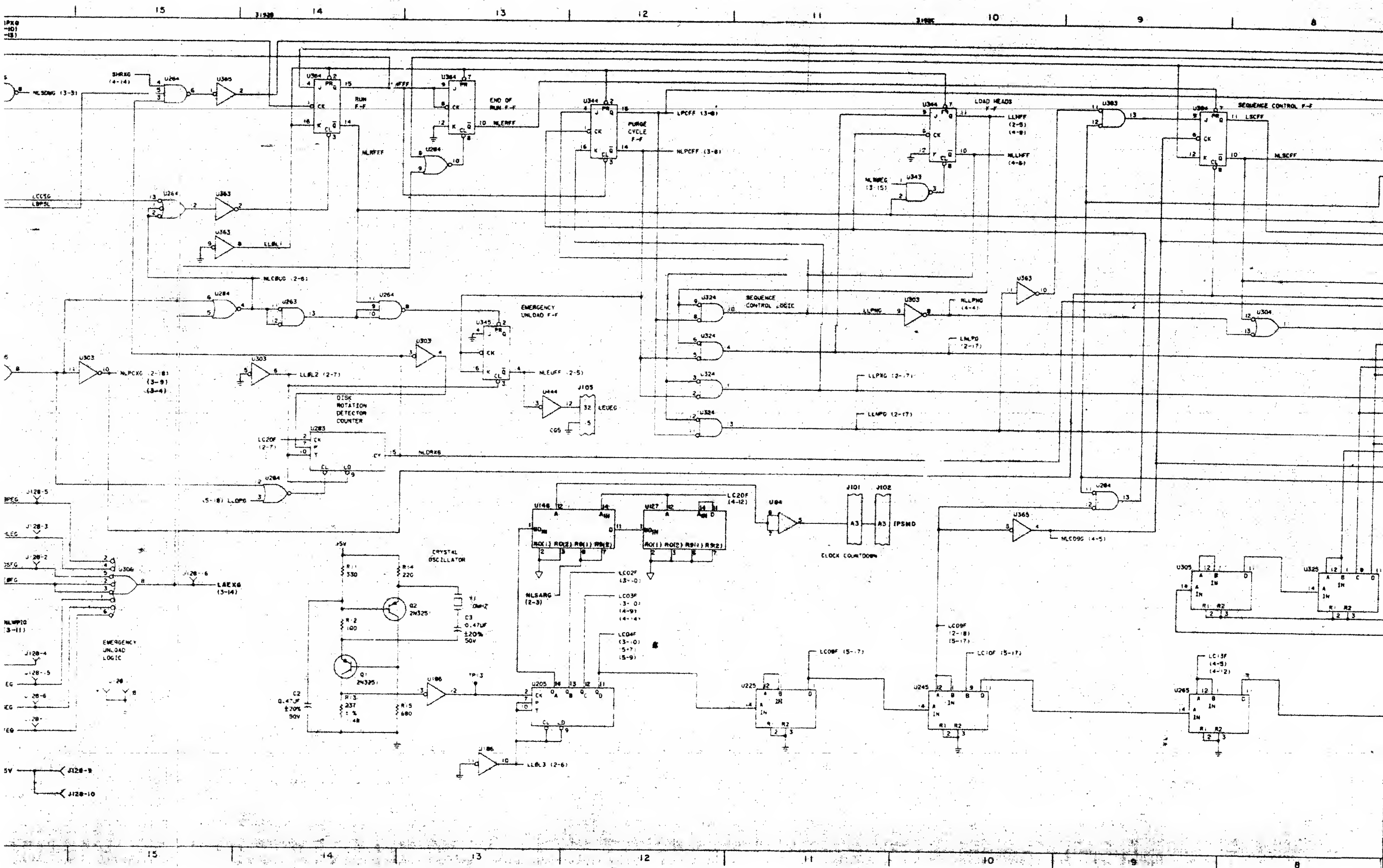
TABLE II 6

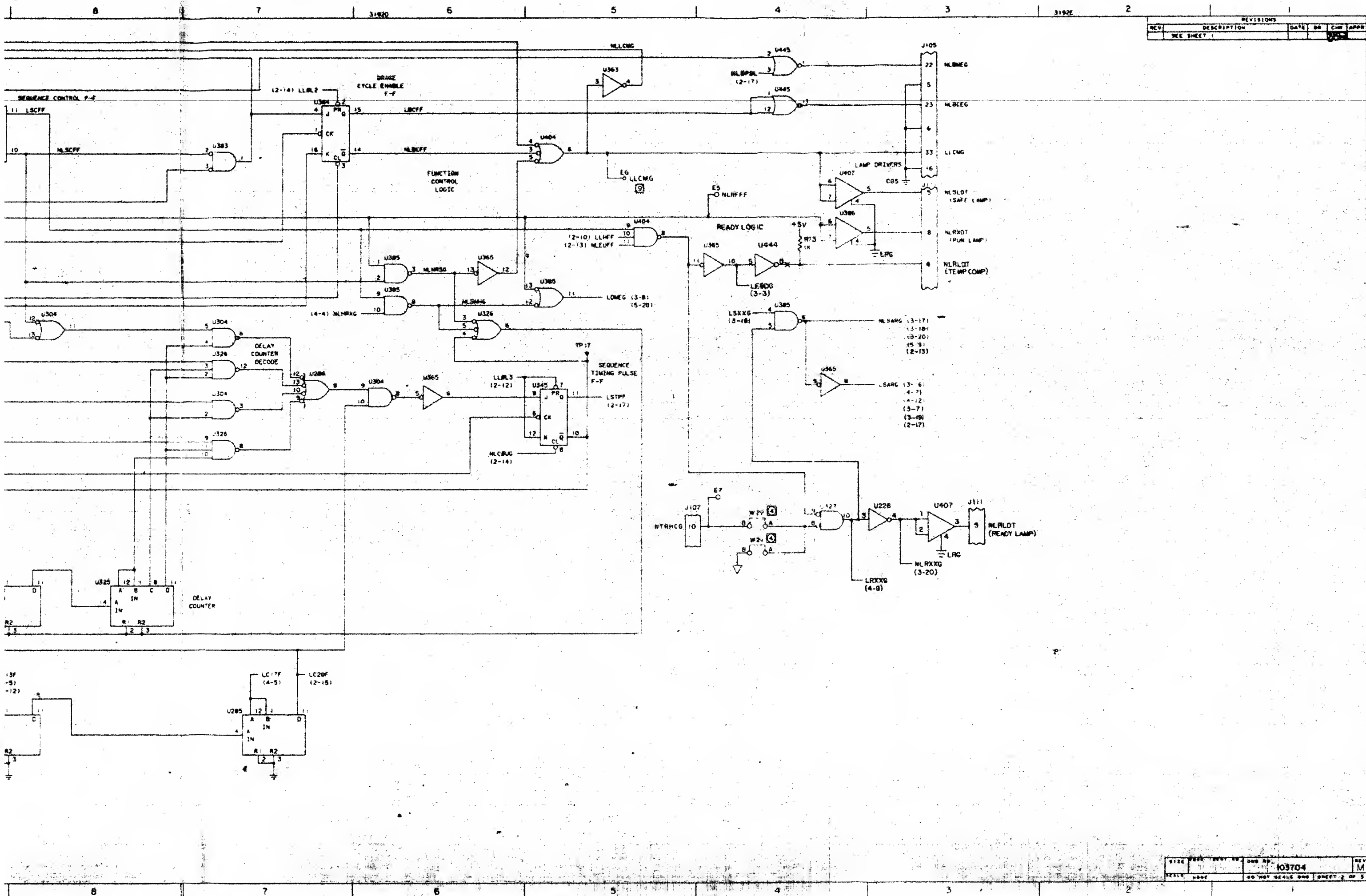
ASSY VERSION NUMBER	W23 P/N 100-0005	W24 P/N 100-0005	W25 P/N 100-0005	W26 P/N 100-0005
	USAGE			
-01	USE	OMIT	USE	OMIT
-02				
-03				
-04				
-05				
-06				
-07				
-08				
-09	USE	OMIT	USE	OMIT
-10	USE	OMIT	USE	OMIT
-31	OMIT	USE	OMIT	USE
-32				
-33				
-34				
-35				
-36				
-37				
-38				
-39	OMIT	USE	OMIT	USE
-40	OMIT	USE	OMIT	USE



RT1	RT2	U301, 322	U407	W1	W3	W4	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25	W26	W27	W28	W29	W30	W31	W32	W33	W34	W35	W36	W37	W38	W39	W40	W41	W42	W43	W44	W45	W46	W47	W48	W49	W50	W51	W52	W53	W54	W55	W56	W57	W58	W59	W60	W61	W62	W63	W64	W65	W66	W67	W68	W69	W70	W71	W72	W73	W74	W75	W76	W77	W78	W79	W80	W81	W82	W83	W84	W85	W86	W87	W88	W89	W90	W91	W92	W93	W94	W95	W96	W97	W98	W99	W100	W101	W102	W103	W104	W105	W106	W107	W108	W109	W110	W111	W112	W113	W114	W115	W116	W117	W118	W119	W120	W121	W122	W123	W124	W125	W126	W127	W128	W129	W130	W131	W132	W133	W134	W135	W136	W137	W138	W139	W140	W141	W142	W143	W144	W145	W146	W147	W148	W149	W150	W151	W152	W153	W154	W155	W156	W157	W158	W159	W160	W161	W162	W163	W164	W165	W166	W167	W168	W169	W170	W171	W172	W173	W174	W175	W176	W177	W178	W179	W180	W181	W182	W183	W184	W185	W186	W187	W188	W189	W190	W191	W192	W193	W194	W195	W196	W197	W198	W199	W200	W201	W202	W203	W204	W205	W206	W207	W208	W209	W210	W211	W212	W213	W214	W215	W216	W217	W218	W219	W220	W221	W222	W223	W224	W225	W226	W227	W228	W229	W230	W231	W232	W233	W234	W235	W236	W237	W238	W239	W240	W241	W242	W243	W244	W245	W246	W247	W248	W249	W250	W251	W252	W253	W254	W255	W256	W257	W258	W259	W260	W261	W262	W263	W264	W265	W266	W267	W268	W269	W270	W271	W272	W273	W274	W275	W276	W277	W278	W279	W280	W281	W282	W283	W284	W285	W286	W287	W288	W289	W290	W291	W292	W293	W294	W295	W296	W297	W298	W299	W300	W301	W302	W303	W304	W305	W306	W307	W308	W309	W310	W311	W312	W313	W314	W315	W316	W317	W318	W319	W320	W321	W322	W323	W324	W325	W326	W327	W328	W329	W330	W331	W332	W333	W334	W335	W336	W337	W338	W339	W340	W341	W342	W343	W344	W345	W346	W347	W348	W349	W350	W351	W352	W353	W354	W355	W356	W357	W358	W359	W360	W361	W362	W363	W364	W365	W366	W367	W368	W369	W370	W371	W372	W373	W374	W375	W376	W377	W378	W379	W380	W381	W382	W383	W384	W385	W386	W387	W388	W389	W390	W391	W392	W393	W394	W395	W396	W397	W398	W399	W400	W401	W402	W403	W404	W405	W406	W407	W408	W409	W410	W411	W412	W413	W414	W415	W416	W417	W418	W419	W420	W421	W422	W423	W424	W425	W426	W427	W428	W429	W430	W431	W432	W433	W434	W435	W436	W437	W438	W439	W440	W441	W442	W443	W444	W445	W446	W447	W448	W449	W450	W451	W452	W453	W454	W455	W456	W457	W458	W459	W460	W461	W462	W463	W464	W465	W466	W467	W468	W469	W470	W471	W472	W473	W474	W475	W476	W477	W478	W479	W480	W481	W482	W483	W484	W485	W486	W487	W488	W489	W490	W491	W492	W493	W494	W495	W496	W497	W498	W499	W500	W501	W502	W503	W504	W505	W506	W507	W508	W509	W510	W511	W512	W513	W514	W515	W516	W517	W518	W519	W520	W521	W522	W523	W524	W525	W526	W527	W528	W529	W530	W531	W532	W533	W534	W535	W536	W537	W538	W539	W540	W541	W542	W543	W544	W545	W546	W547	W548	W549	W550	W551	W552	W553	W554	W555	W556	W557	W558	W559	W560	W561	W562	W563	W564	W565	W566	W567	W568	W569	W570	W571	W572	W573	W574	W575	W576	W577	W578	W579	W580	W581	W582	W583	W584	W585	W586	W587	W588	W589	W590	W591	W592	W593	W594	W595	W596	W597	W598	W599	W600	W601	W602	W603	W604	W605	W606	W607	W608	W609	W610	W611	W612	W613	W614	W615	W616	W617	W618	W619	W620	W621	W622	W623	W624	W625	W626	W627	W628	W629	W630	W631	W632	W633	W634	W635	W636	W637	W638	W639	W640	W641	W642	W643	W644	W645	W646	W647	W648	W649	W650	W651	W652	W653	W654	W655	W656	W657	W658	W659	W660	W661	W662	W663	W664	W665	W666	W667	W668	W669	W670	W671	W672	W673	W674	W675	W676	W677	W678	W679	W680	W681	W682	W683	W684	W685	W686	W687	W688	W689	W690	W691	W692	W693	W694	W695	W696	W697	W698	W699	W700	W701	W702	W703	W704	W705	W706	W707	W708	W709	W710	W711	W712	W713	W714	W715	W716	W717	W718	W719	W720	W721	W722	W723	W724	W725	W726	W727	W728	W729	W730	W731	W732	W733	W734	W735	W736	W737	W738	W739	W740	W741	W742	W743	W744	W745	W746	W747	W748	W749	W750	W751	W752	W753	W754	W755	W756	W757	W758	W759	W760	W761	W762	W763	W764	W765	W766	W767	W768	W769	W770	W771	W772	W773	W774	W775	W776	W777	W778	W779	W780	W781	W782	W783	W784	W785	W786	W787	W788	W789	W790	W791	W792	W793	W794	W795	W796	W797	W798	W799	W800	W801	W802	W803	W804	W805	W806	W807	W808	W809	W810	W811	W812	W813	W814	W815	W816	W817	W818	W819	W820	W821	W822	W823	W824	W825	W826	W827	W828	W829	W830	W831	W832	W833	W834	W835	W836	W837	W838	W839	W840	W841	W842	W843	W844	W845	W846	W847	W848	W849	W850	W851	W852	W853	W854	W855	W856	W857	W858	W859	W860	W861	W862	W863	W864	W865	W866	W867	W868	W869	W870	W871	W872	W873	W874	W875	W876	W877	W878	W879	W880	W881	W882	W883	W884	W885	W886	W887	W888	W889	W890	W891	W892	W893	W894	W895	W896	W897	W898	W899	W900	W901	W902	W903	W904	W905	W906	W907	W908	W909	W910	W911	W912	W913	W914	W915	W916	W917	W918	W919	W920	W921	W922	W923	W924	W925	W926	W927	W928	W929	W930	W931	W932	W933	W934	W935	W936	W937	W938	W939	W940	W941	W942	W943	W944	W945	W946	W947	W948	W949	W950	W951	W952	W953	W954	W955	W956	W957	W958	W959	W960	W961	W962	W963	W964	W965	W966	W967	W968	W969	W970	W971	W972	W973	W974	W975	W976	W977	W978	W979	W980	W981	W982	W983	W984	W985	W986	W987	W988	W989	W990	W991	W992	W993	W994	W995	W996	W997	W998	W999	W1000	W1001	W1002	W1003	W1004	W1005	W1006	W1007	W1008	W1009	W1010	W1011	W1012	W1013	W1014	W1015	W1016	W1017	W1018	W1019	W1020	W1021	W1022	W1023	W1024	W1025	W1026	W1027	W1028	W1029	W1030	W1031	W1032	W1033	W1034	W1035	W1036	W1037	W1038	W1039	W1040	W1041	W1042	W1043	W1044	W1045	W1046	W1047	W1048	W1049	W1050	W1051	W1052	W1053	W1054	W1055	W1056	W1057	W1058	W1059	W1060	W1061	W1062	W1063	W1064	W1065	W1066	W1067	W1068	W1069	W1070	W1071	W1072	W1073	W1074	W1075	W1076	W1077	W1078	W1079	W1080	W1081	W1082	W1083	W1084	W1085	W1086	W1087	W1088	W1089	W1090	W1091	W1092	W1093	W1094	W1095	W1096	W1097	W1098	W1099	W1100	W1101	W1102	W1103	W1104	W1105	W1106	W1107	W1108	W1109	W1110	W1111	W1112	W1113	W1114	W1115	W1116	W1117	W1118	W1119	W1120	W1121	W1122	W1123	W1124	W1125	W1126	W1127	W1128	W1129	W1130	W1131	W1132	W1133	W1134	W1135	W1136	W1137	W1138	W1139	W1140	W1141	W1142	W1143	W1144	W1145	W1146	W1147	W1148	W1149	W1150	W1151	W1152	W1153	W1154	W1155	W1156	W1157	W1158	W1159	W1160	W1161	W1162	W1163	W1164	W1165	W1166	W1167	W1168	W1169	W1170	W1171	W1172	W1173	W1174	W1175	W1176	W1177	W1178	W1179	W1180	W1181	W1182	W1183	W1184	W1185	W1186	W1187	W1188	W1189	W1190	W1191	W1192	W1193	W1194	W1195	W1196	W1197	W1198	W1199	W1200	W1201	W1202	W1203	W1204	W1205	W1206	W1207	W1208	W1209	W1210	W1211	W1212	W1213	W1214	W1215	W1216	W1217	W1218	W1219	W1220	W1221	W1222	W1223	W1224	W1225	W1226	W1227	W1228	W1229	W1230	W1231	W1232	W1233	W1234	W1235	W1236	W1237	W1238	W1239	W1240	W1241	W1242	W1243	W1244	W1245	W1246	W1247	W1248	W1249	W1250	W1251	W1252	W1253	W1254	W1255	W1256	W1257	W1258	W1259	W1260	W1261	W1262	W1263	W1264	W1265	W1266	W1267	W1268	W1269	W1270	W1271	W1272	W1273	W1274	W1275	W1276	W1277	W1278	W1279	W1280	W1281	W1282	W1283	W1284	W1285	W1286	W1287	W1288	W1289	W1290	W1291	W1292	W1293	W1294	W1295	W1296	W1297	W1298	W1299	W1300	W1301	W1302	W1303	W1304	W1305	W1306	W1307	W1308	W1309	W1310	W1311	W1312	W1313	W1314	W1315	W1316	W1317	W1318	W1319	W1320	W1321	W1322	W1323	W1324	W1325	W1326	W1327	W1328	W1329	W1330	W1331	W1332	W1333	W1334	W1335	W1336	W1337	W1338	W1339	W1340	W1341
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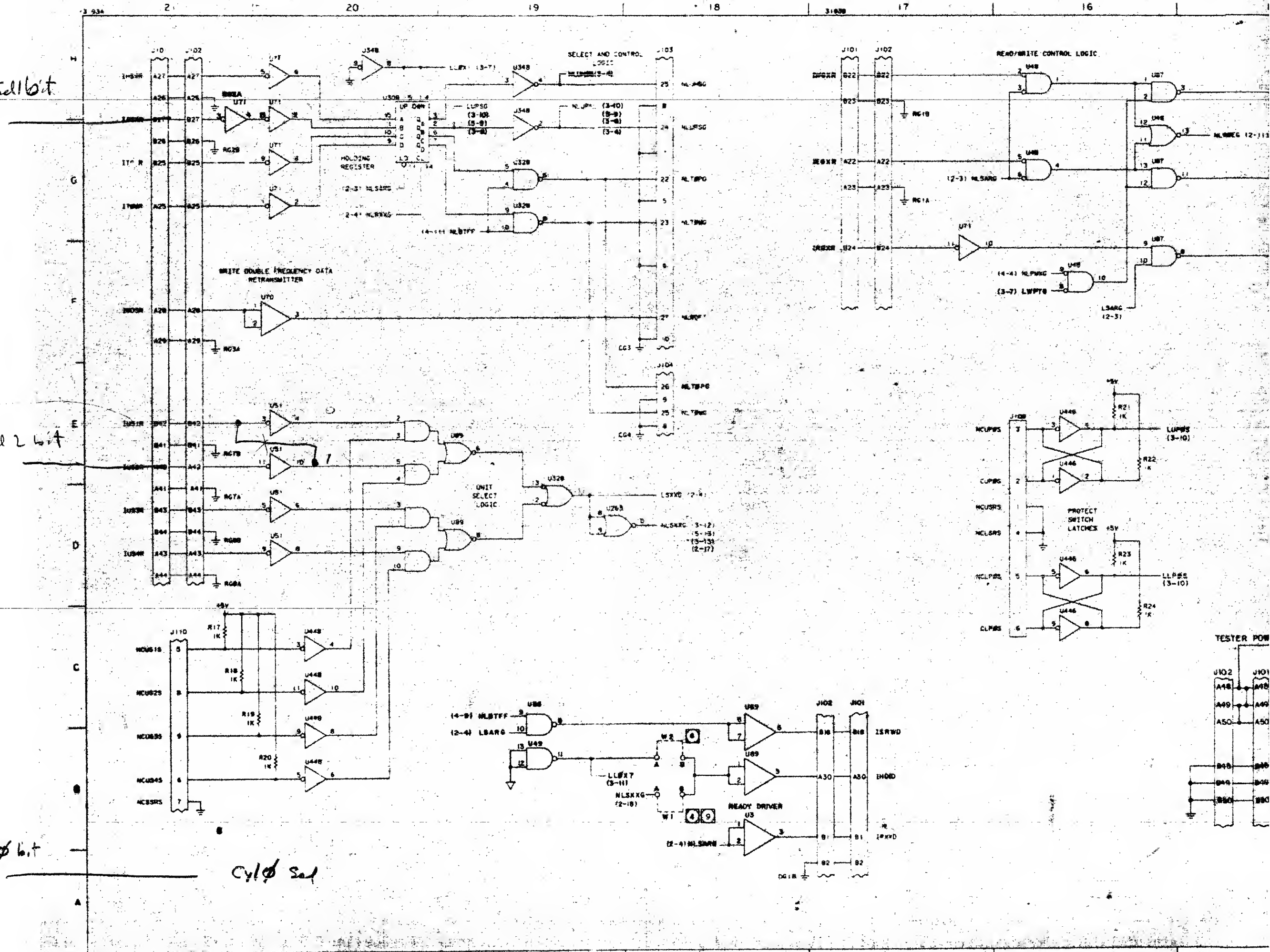


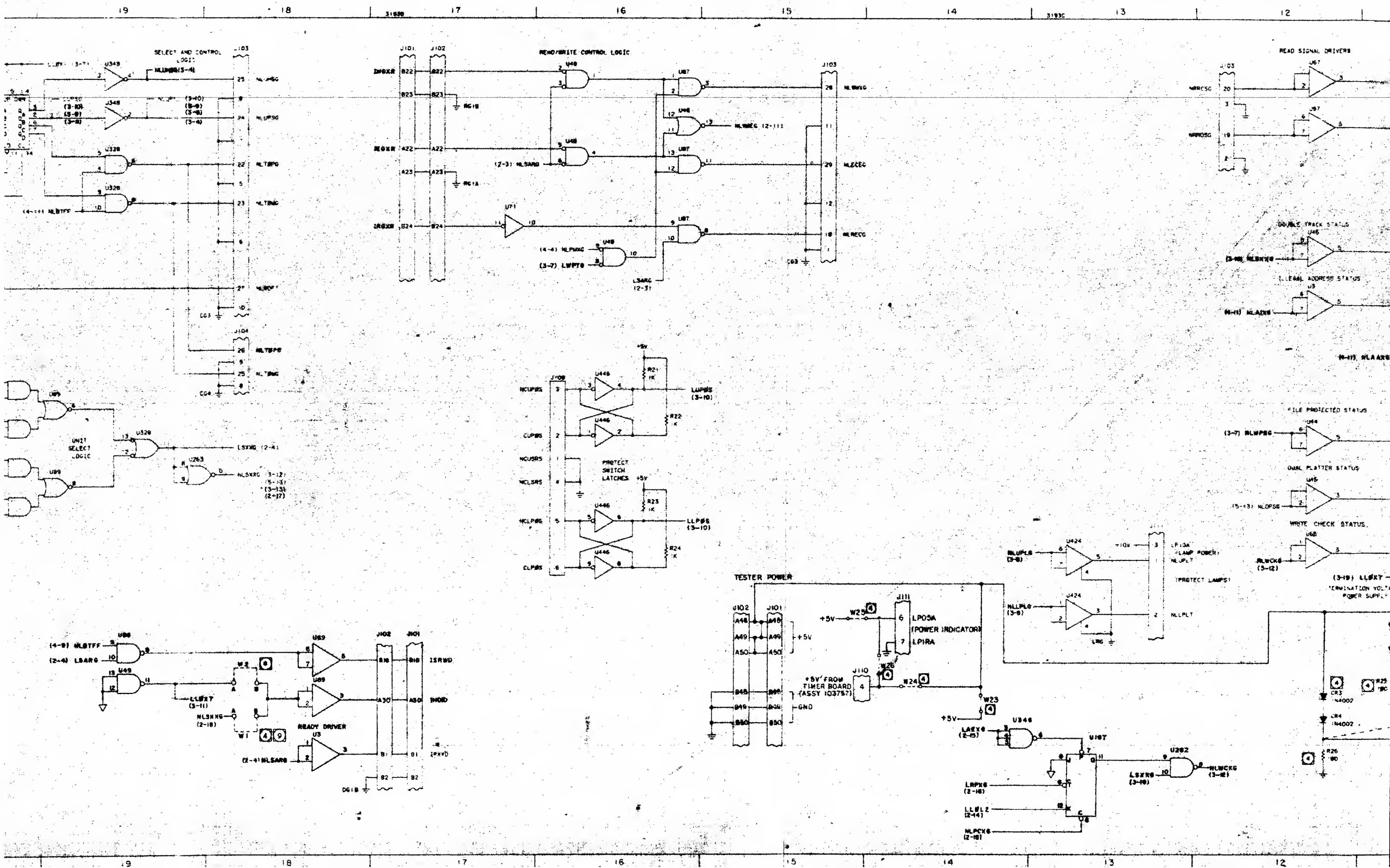
Unit Sel bit

Unit Sel 2 bit

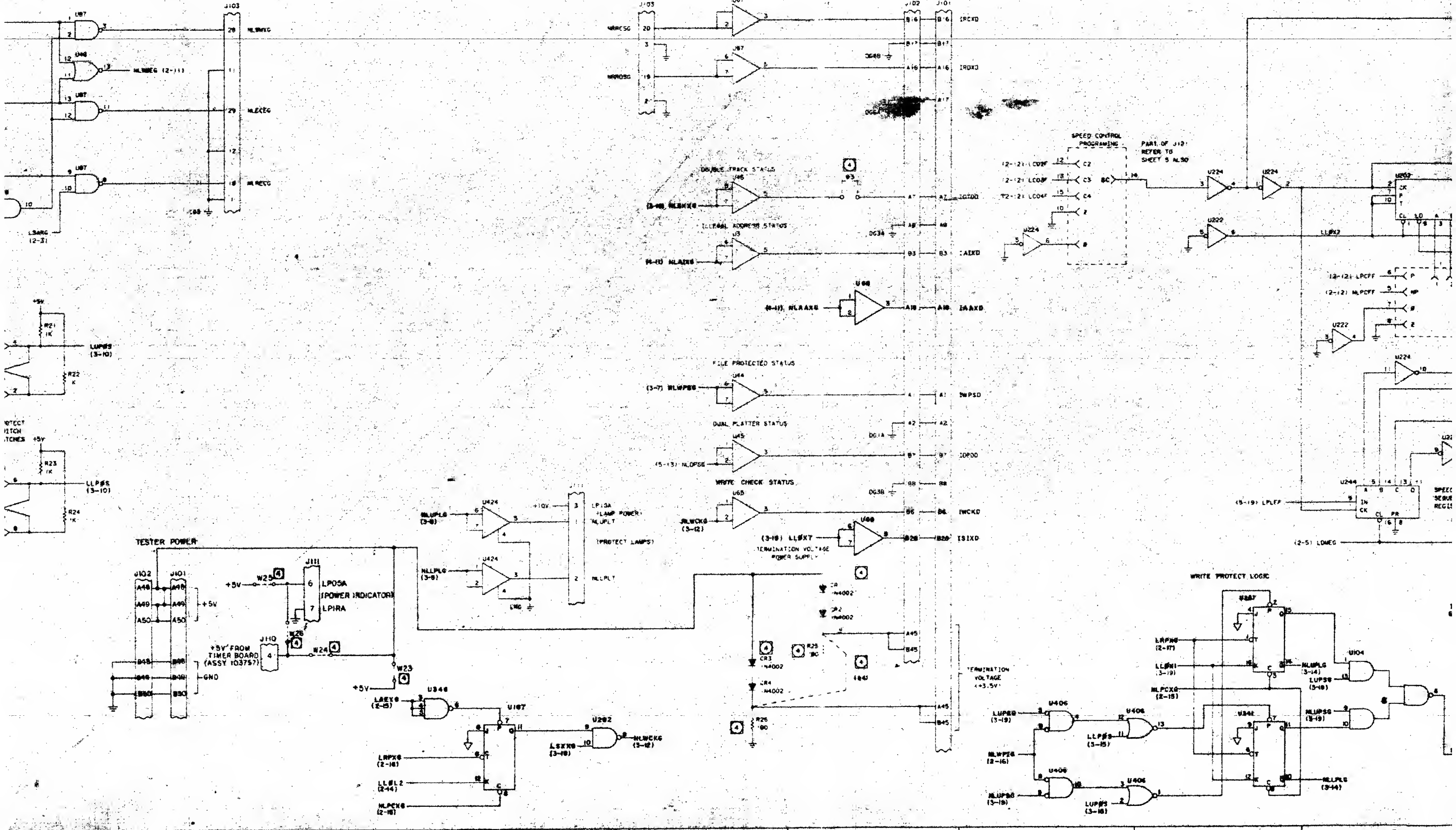
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Cycle Sel

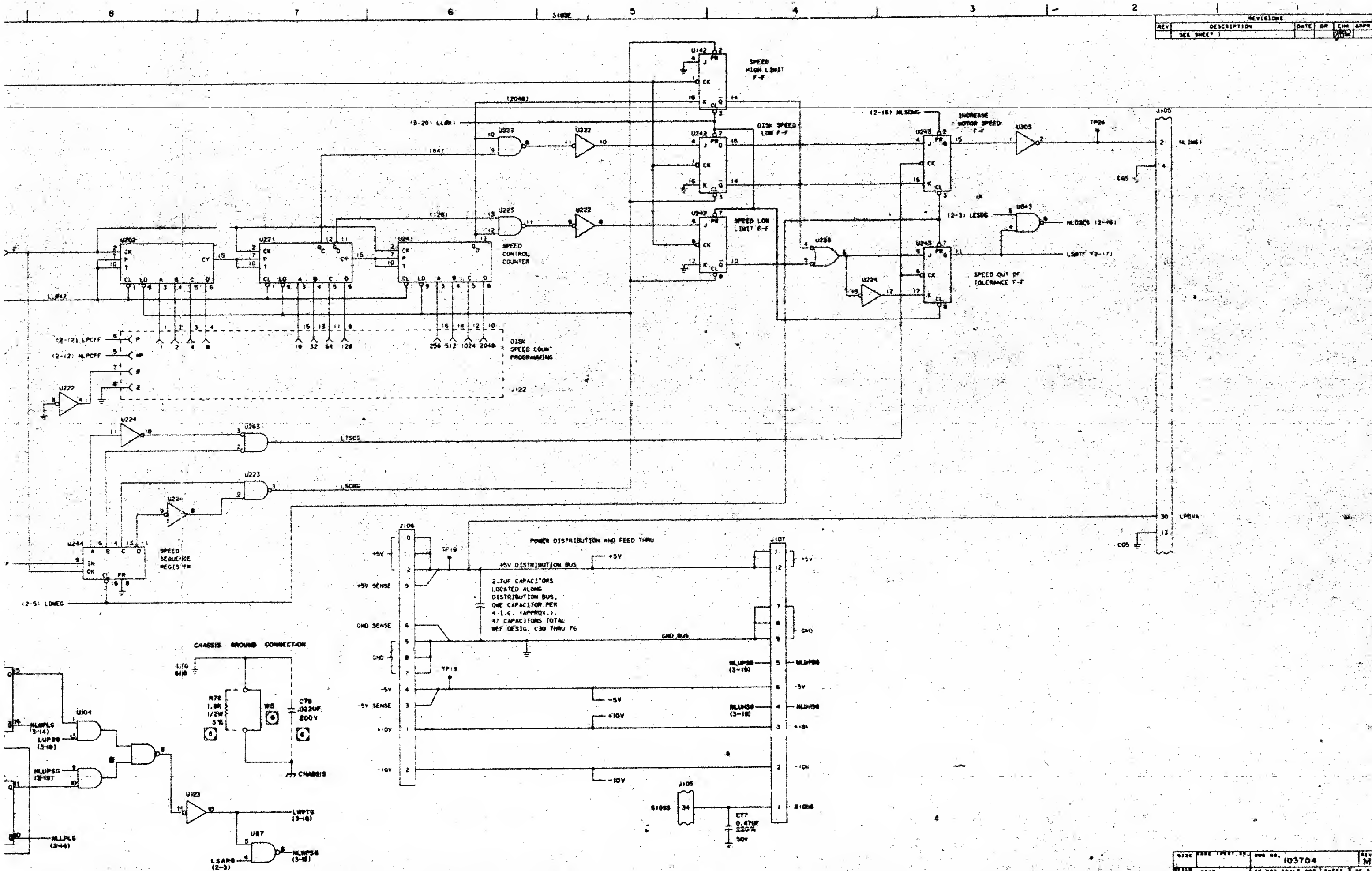


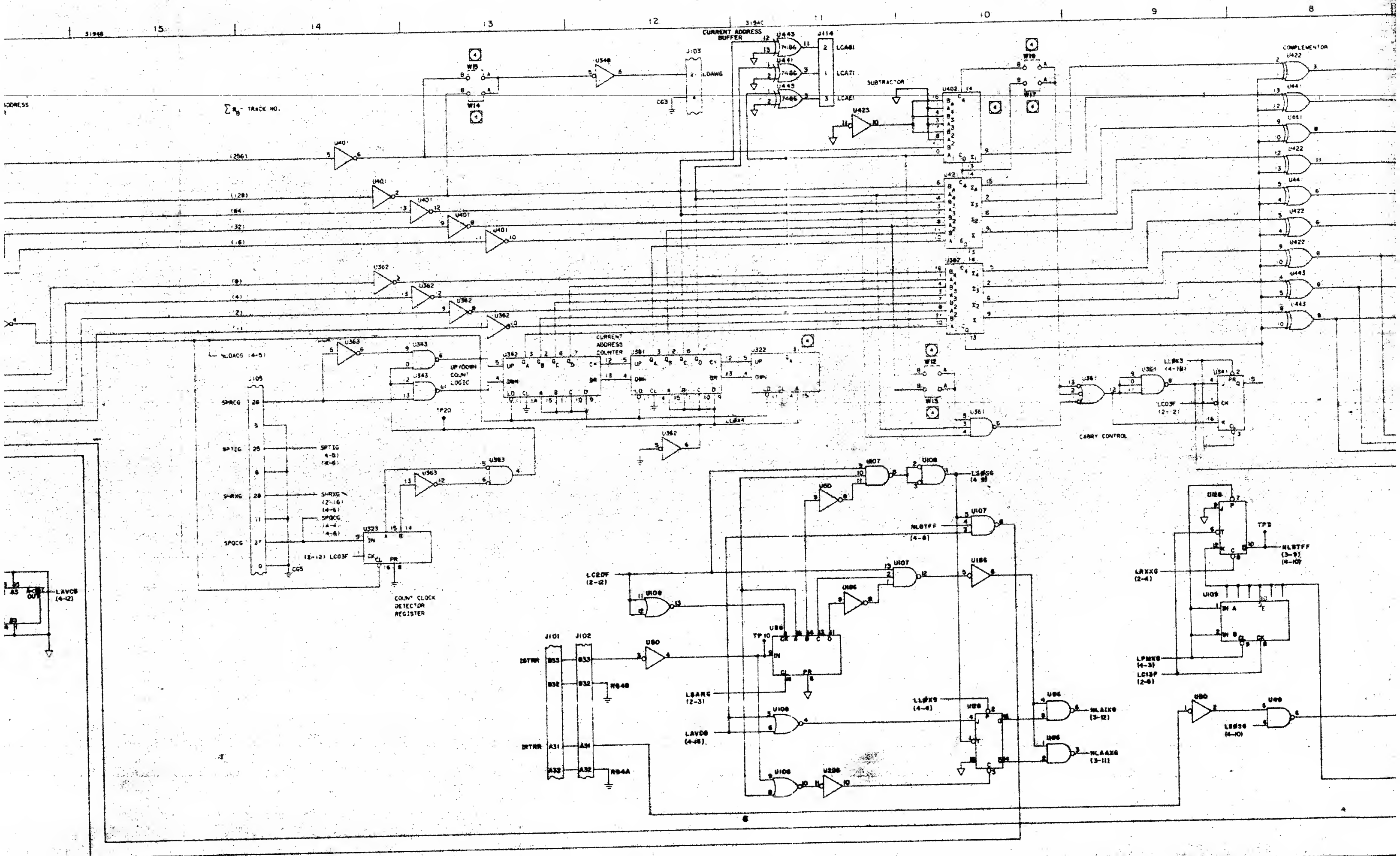


LOGIC

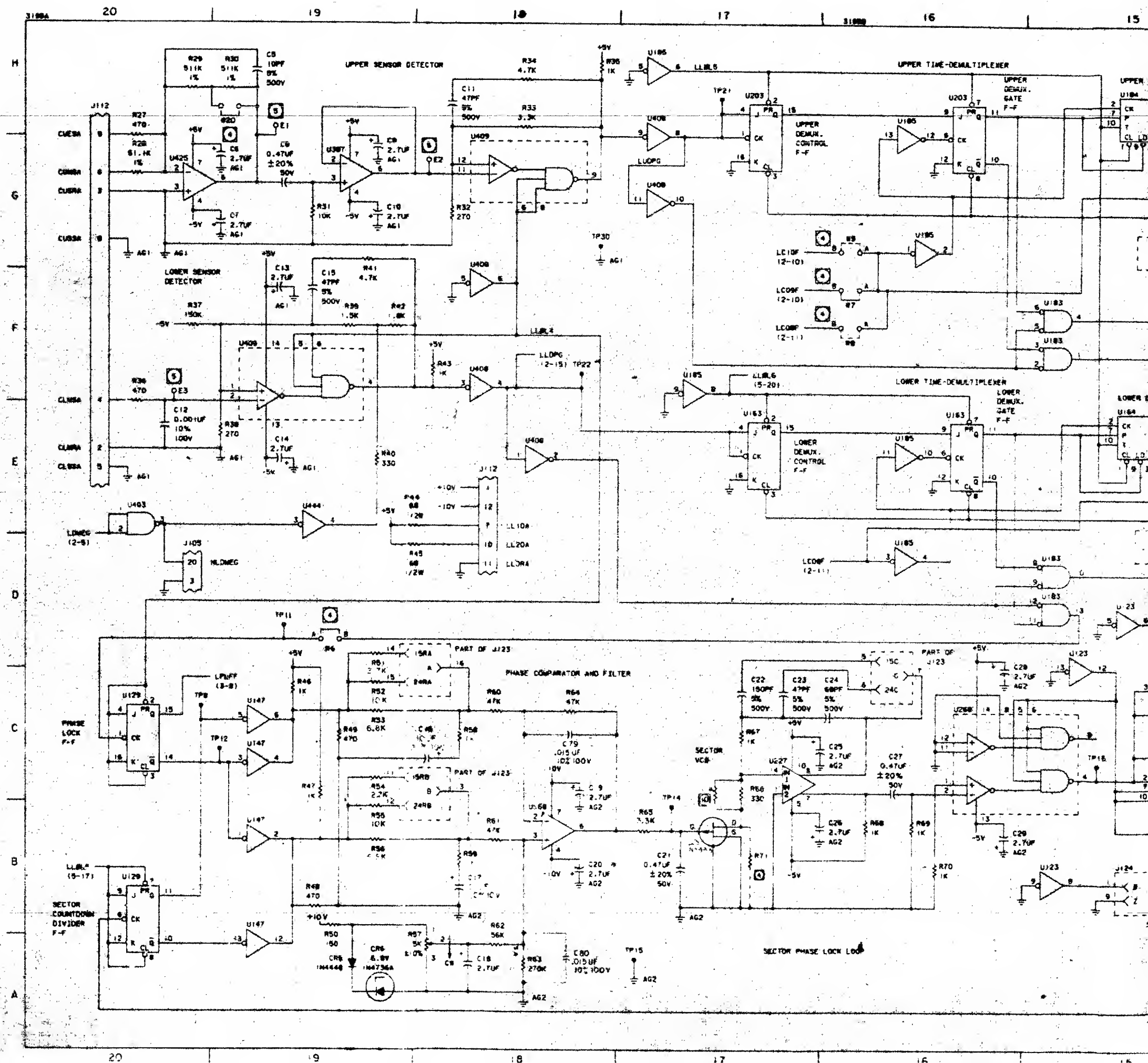




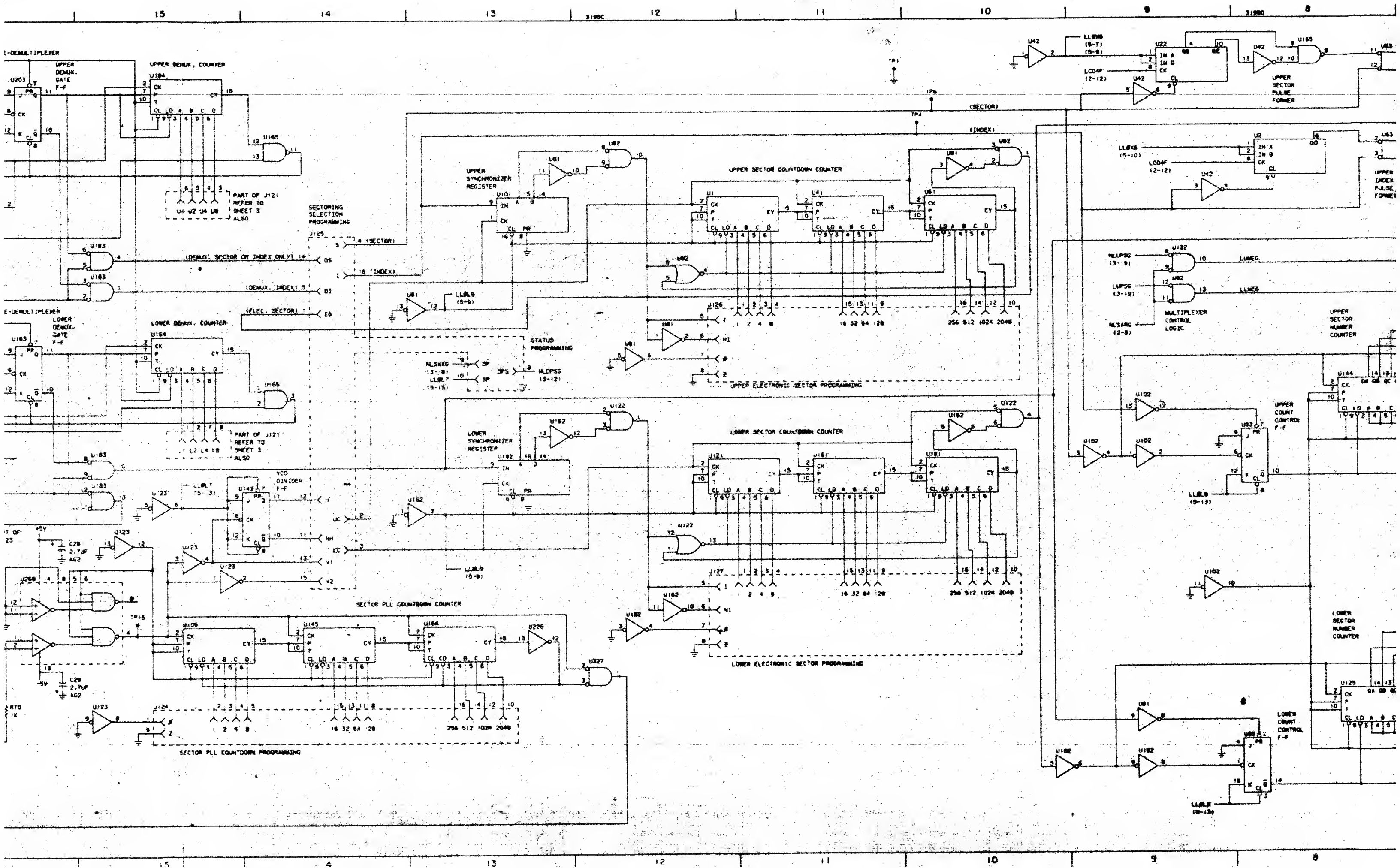




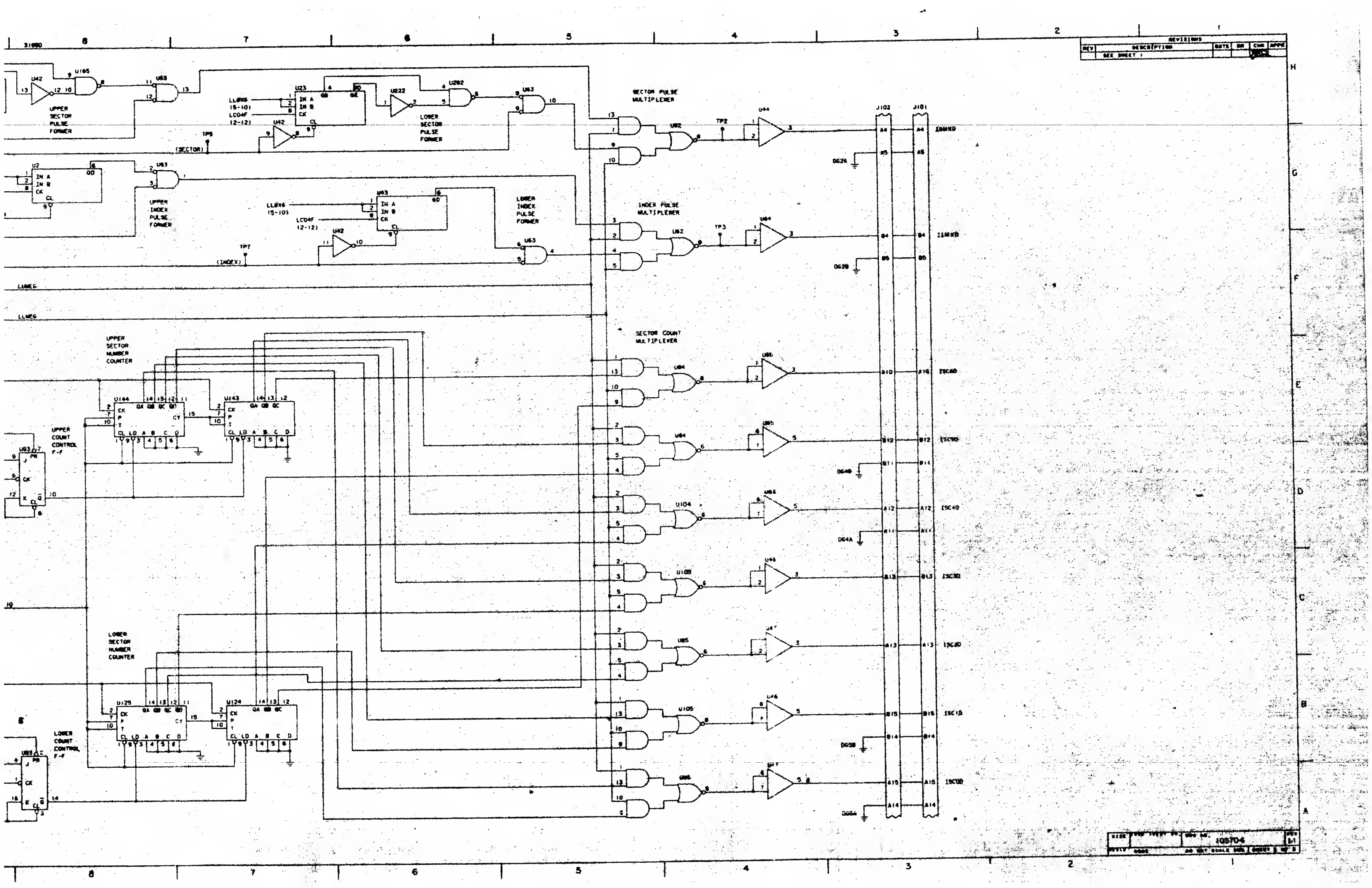


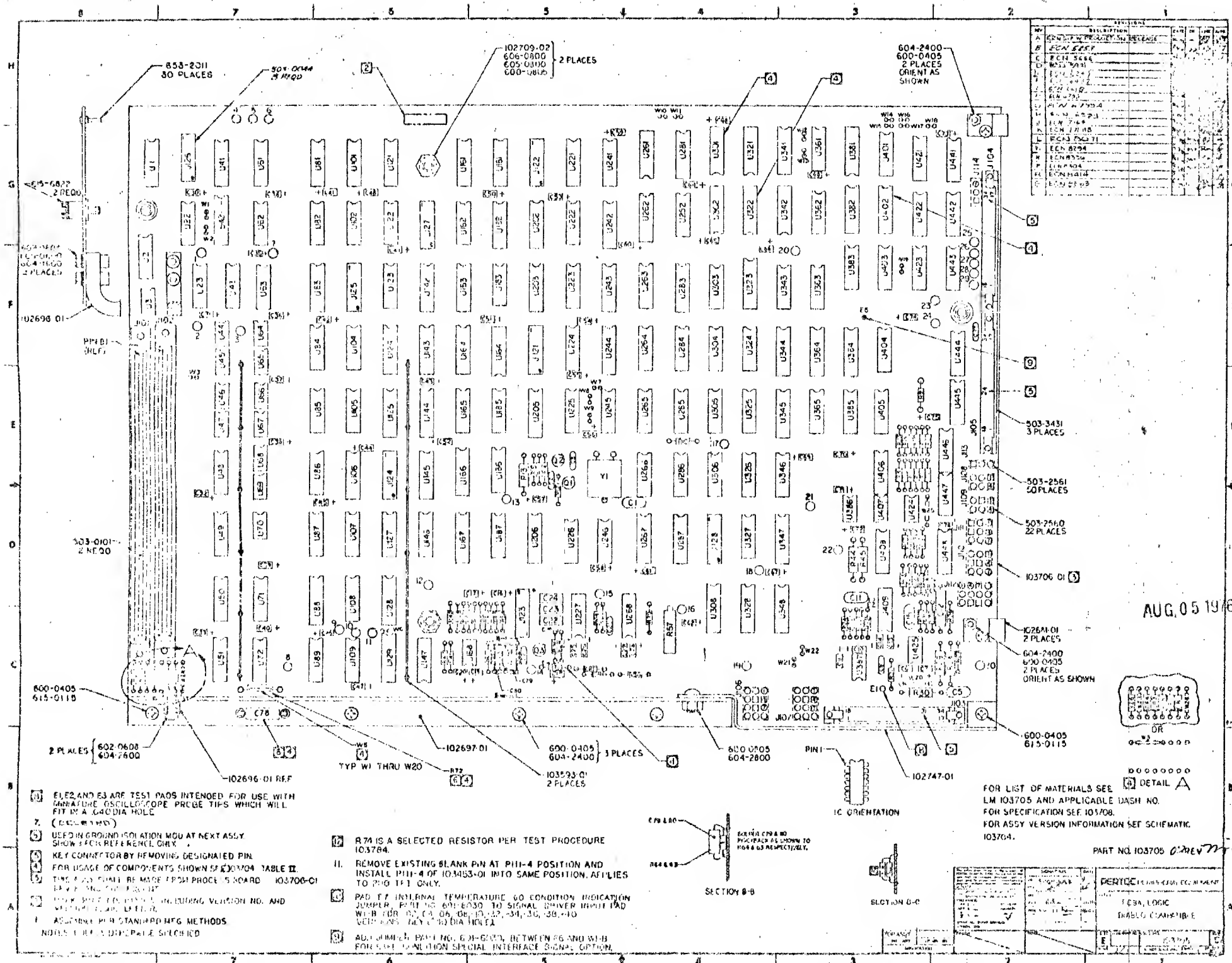












SPARE GATES				
	U448 700-7404	U405 700-7413		
U86 700-7400	U445 700-7402	U226 700-7404		
U165 700-7400	U408 700-7404	U444 700-7405		
U282 700-7411	U222 700-7404	U346 700-7410		U70 700-7545
U325 700-7400		U404 700-7410		U386 700-7545

REFERENCE DESIGNATIONS		
LAST USED	NOT USED	DELETED
C78	C4	CH1, CH2
Q3	J15 THRU J20	R26
J128	R16	
TP30		
U448	U4 THRU 21, 24 THRU 40, U52 THRU 60, 73 THRU 80, U90 THRU 100, 103, 110 THRU 120, U126, 130 THRU 141, 148 THRU 160, U168 THRU 180, 188 THRU 201, U204, 207 THRU 220, 228 THRU 240, U247 THRU 260, 269 THRU 280, U288 THRU 300, 307, 309 THRU 320, U329 THRU 340, 349 THRU 360, U366 THRU 380, 388 THRU 400, U410 THRU 420, 426 THRU 440	
W23	W2	
Y1		

ASSY 103726 VERSION NUMBER	TRACKS PER INCH		VERSION CHARACTERISTICS										USAGE		
	100	200	INTERNAL TERMINATION VOLTAGE POWER SUPPLY	TERMINATION VOLTAGE FEED-THRU	GROUND ISOLATION	SPECIAL INTERFACE SIGNAL OPTION FOR SAFE CONDITION INDICATION	READY SIGNAL GATED BY INTERNAL TEMP GO 200 TPI ONLY	200 TPI INTERNAL TEMP GO							
-01	X		X										OMIT		USE
-02		X	X					X					OMIT		USE
-03	X				X								OMIT		USE
-04		X			X			X					OMIT		USE
-05	X		X		X								USE		USE
-06		X	X					X					USE		USE
-07	X				X	X							USE		USE
-08		X			X	X		X					USE		USE
-09	X		X			X							OMIT	OMIT	USE

REVISIONS				
REV	DESCRIPTION	DATE	BY	APP
1	PERM 7 UY			

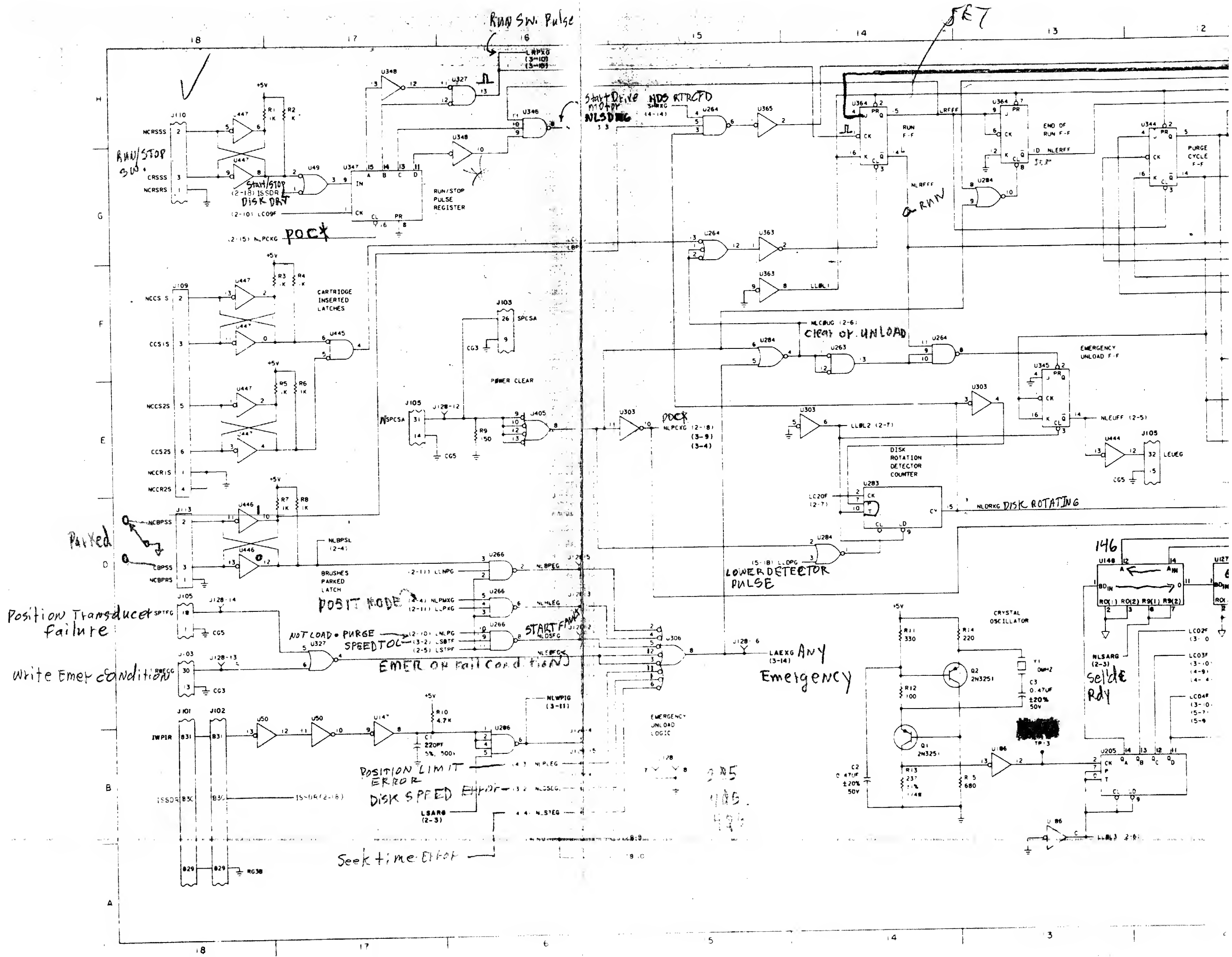
11		4																					
12	W1	W3	W4	W6	W7	W9	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W21	W22	W20	W8	W5	W23	ASSY
N	P/N	P/N	P/N								P/N								P/N	P/N	P/N	P/N	VERSION
483	691-6030	103596-01	100373-01								103596-01								100373-02	103596-01	100373-01	691-6030	NUMBER
E	USE	OMIT	OMIT	USE	USE	OMIT	USE	OMIT	OMIT	USE	USE	OMIT	OMIT	USE	OMIT	OMIT	USE	OMIT	USE	OMIT	USE	USE	01
		USE	OMIT					USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	OMIT				USE	USE		02
		OMIT	USE					USE	OMIT	OMIT	USE	OMIT	OMIT	USE	OMIT	OMIT				USE	OMIT		03
		USE	USE					OMIT	USE	OMIT	OMIT	OMIT	USE	OMIT	OMIT	OMIT				USE	OMIT		04
		OMIT	OMIT					USE	OMIT	OMIT	USE	OMIT	OMIT	USE	OMIT	OMIT				OMIT			05
		USE	OMIT					OMIT	USE	OMIT	OMIT	OMIT	USE	OMIT	OMIT	OMIT				OMIT			06
		OMIT	USE					OMIT	OMIT	OMIT	USE	OMIT	OMIT	USE	OMIT	OMIT				OMIT			07
		USE	USE					OMIT	USE	OMIT	OMIT	OMIT	USE	OMIT	OMIT	OMIT				OMIT			08
E	USE	OMIT	OMIT	USE	USE	OMIT	USE	OMIT	OMIT	USE	USE	OMIT	OMIT	USE	OMIT	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	09

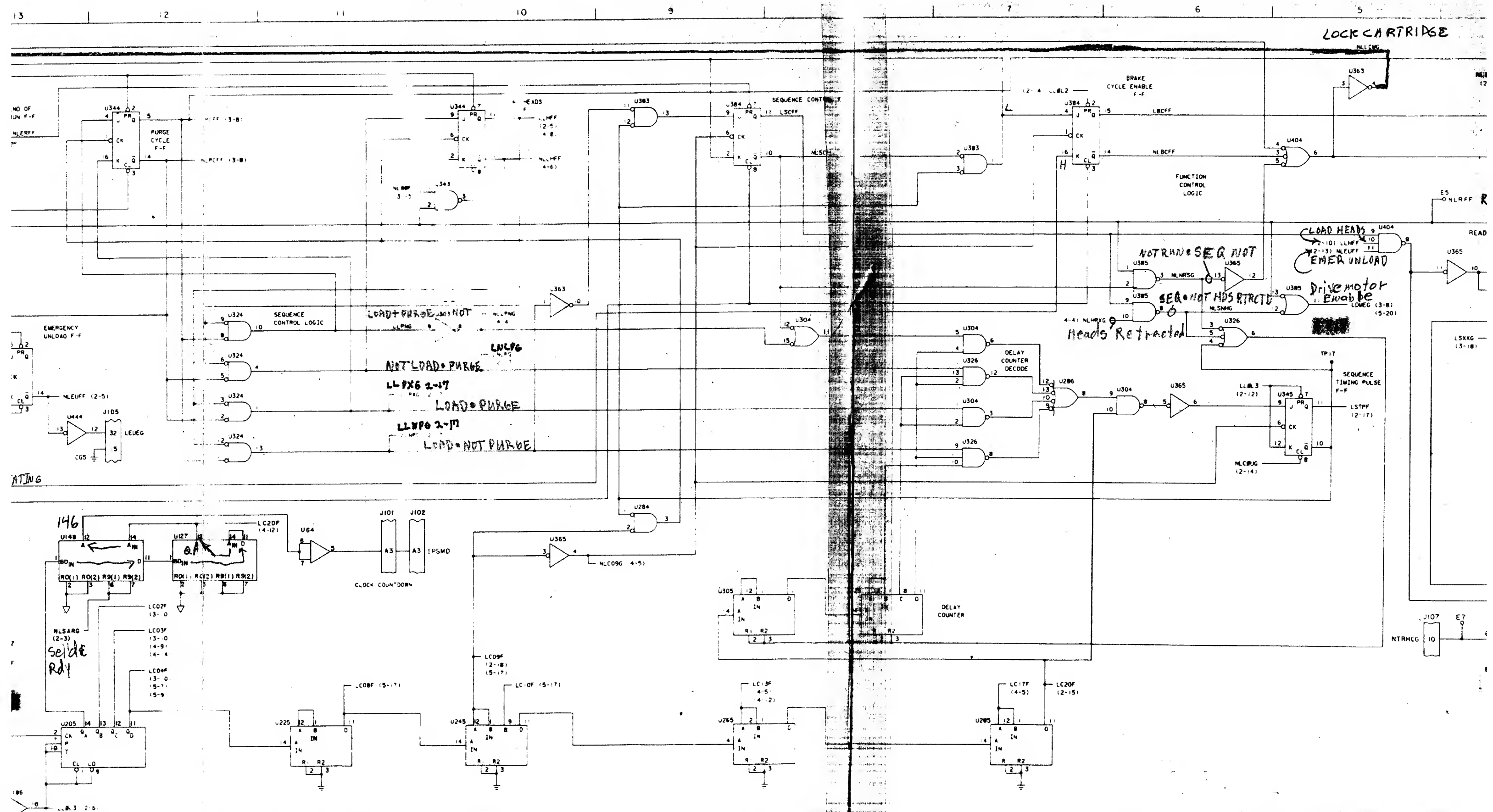
- 10 THIS SIGNAL IS JUMPERED TO W1-B (W1 JUMPER DELETED) FOR SPECIAL INTERFACE "SAFE" SIGNAL.
- 9 THIS SCHEMATIC IS IDENTICAL TO THE 103704 LOGIC SCHEMATIC EXCEPT WHERE INDICATED.
- 8 (DELETED)
- 7 ALL CAPACITOR VALUES ARE IN MICROFARADS,  $\pm 20\%$ , 35V.
- 6 R72 AND C7B ARE USED AND W5 OMITTED ONLY IN GROUND ISOLATION VERSIONS. SEE TABLE II FOR VERSION NUMBER. W5 MUST BE USED FOR ALL OTHER VERSIONS.
- 5 E1, E2, AND E3 ARE TEST PADS INTENDED FOR USE WITH MINIATURE OSCILLOSCOPE PROBE TIPS WHICH WILL FIT IN  $\frac{1}{16}$ " DIA. HOLE.
- 4 FOR PART NUMBER AND USAGE OF COMPONENTS AFFECTED BY VERSION NUMBER SEE TABLE II.
- 3 FOR PART NUMBER OF COMPONENTS NOT AFFECTED BY VERSION NUMBER SEE TABLE I.
2. ALL RESISTOR VALUES ARE IN OHMS,  $\pm 5\%$ ,  $\frac{1}{4}$ W.
1. SIGNALS ARE CROSS-REFERENCED BETWEEN SHEETS AND WITHIN A SHEET BY NUMBERS APPEARING WITH THE ASSOCIATED LOGIC TERM MNEMONIC. THE FIRST NUMBER IS THE SHEET NUMBER AND THE SECOND NUMBER IS THE ZONE NUMBER. EXAMPLE: 13-2) SHEET 3 ZONE 2

NOTES: UNLESS OTHERWISE SPECIFIED

REFERENCE DRAWINGS  
 ASSEMBLY 103726  
 SPECIFICATION 103708

THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF PERTEC CORPORATION. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR THE PROTECTION OF THIS INFORMATION FROM DISCLOSURE TO OTHERS.		SIGNATURES DATE DESIGNED BY: <i>[Signature]</i> <i>[Date]</i> CHECKED BY: <i>[Signature]</i> <i>[Date]</i> DRAWN BY: <i>[Signature]</i> <i>[Date]</i> INCHES: <i>[Signature]</i> <i>[Date]</i>	
TOLERANCES: UNLESS OTHERWISE SPECIFIED DIMENSIONS: UNLESS OTHERWISE SPECIFIED FINISH: UNLESS OTHERWISE SPECIFIED MATERIAL: UNLESS OTHERWISE SPECIFIED		PERTEC PERIPHERAL EQUIPMENT TITLE <b>SCHEMATIC-LOGIC BOARD</b> INTERDATA COMPATIBLE	
APPLICATION: <i>[Blank]</i>		SIZE: <i>[Blank]</i> CODE: <i>[Blank]</i> DWG. NO. <b>103725</b> REV. <b>A</b> SCALE: <i>[Blank]</i> IN: <i>[Blank]</i> 1:1 2:1 3:1 4:1 5:1	

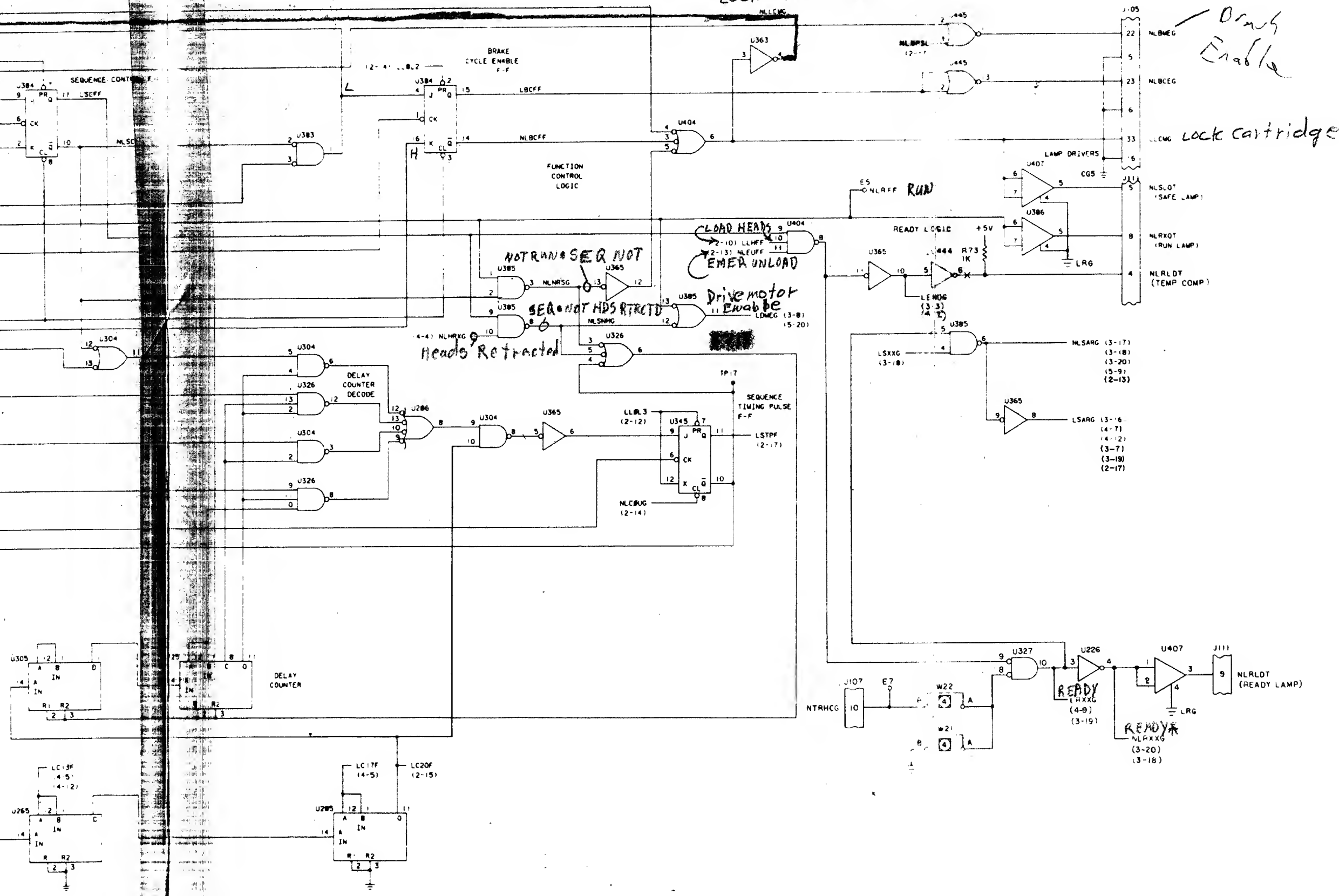






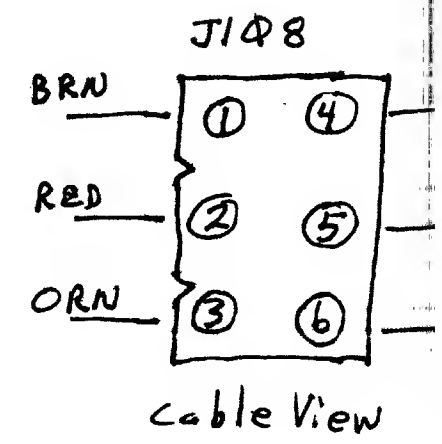
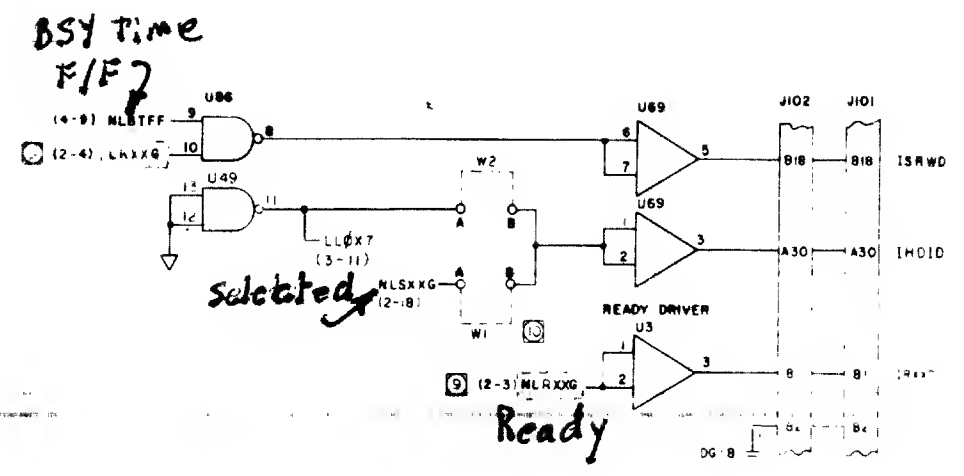
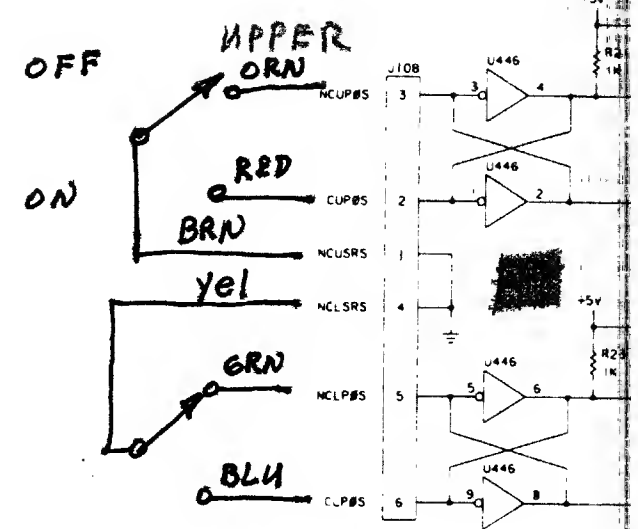
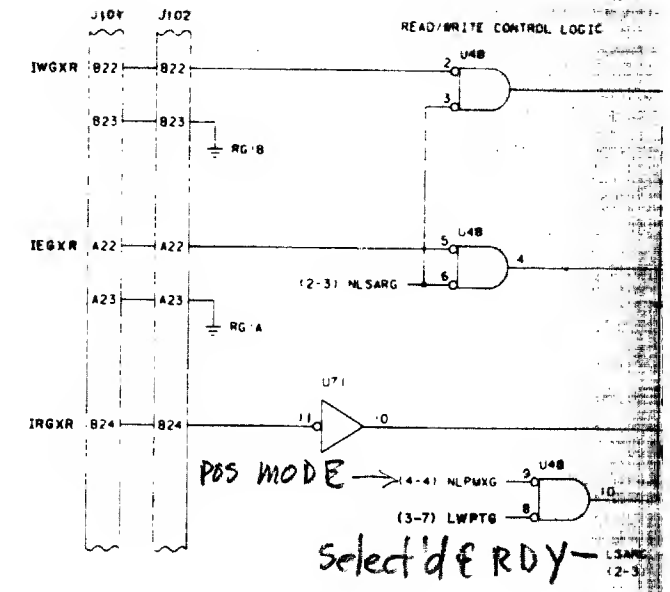
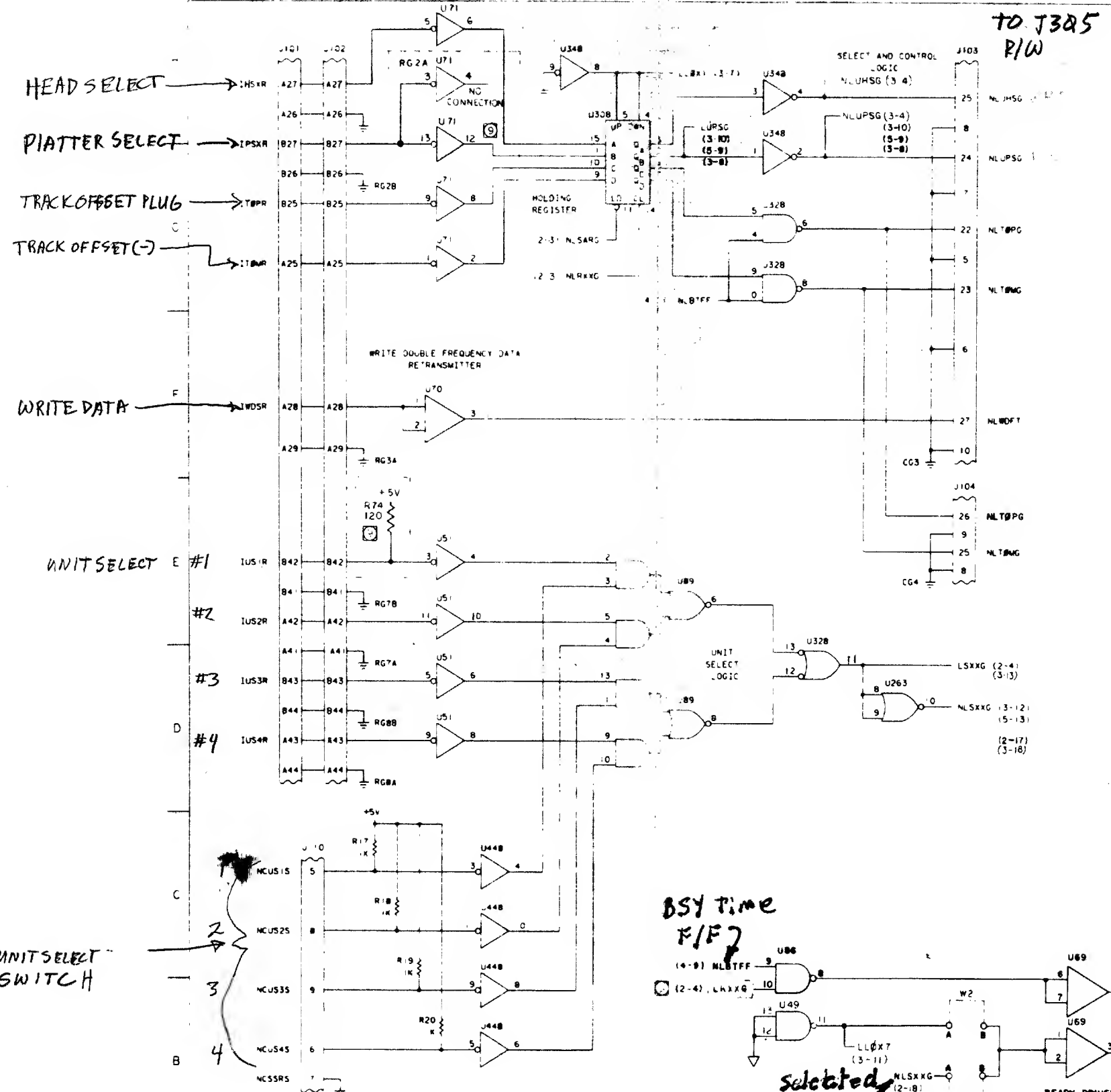
LOCK CARTRIDGE

REV	DESCRIPTION	DATE	BY	CHK	APPR
1	SEE SHEET 1				

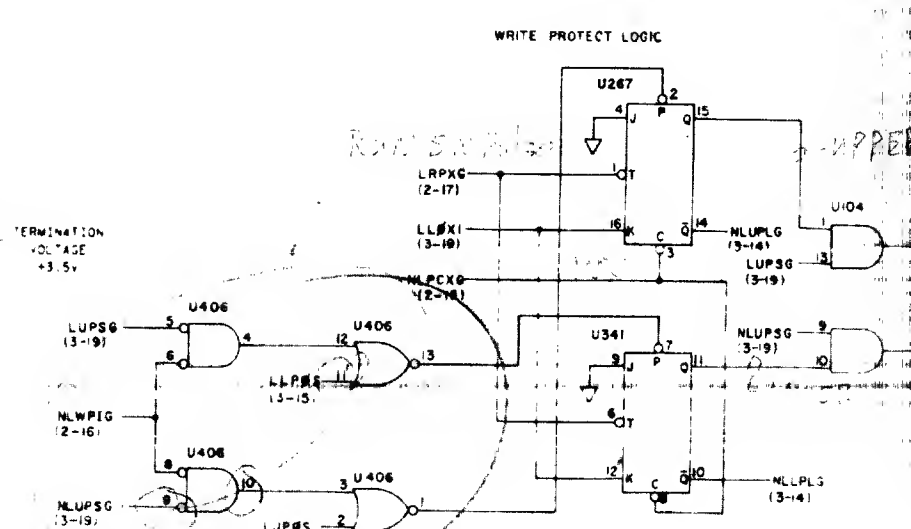


Drugs  
Enable

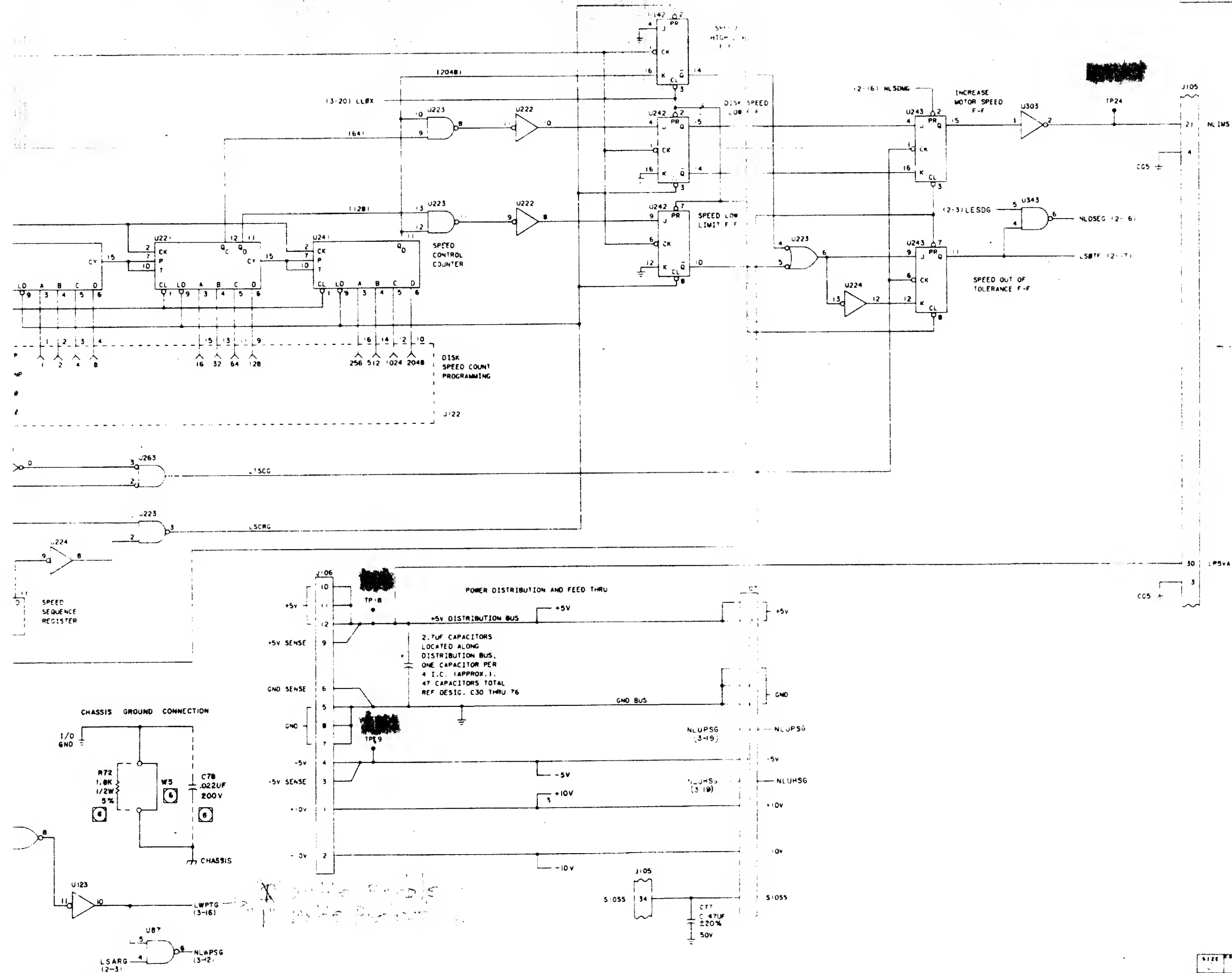
lock cartridge



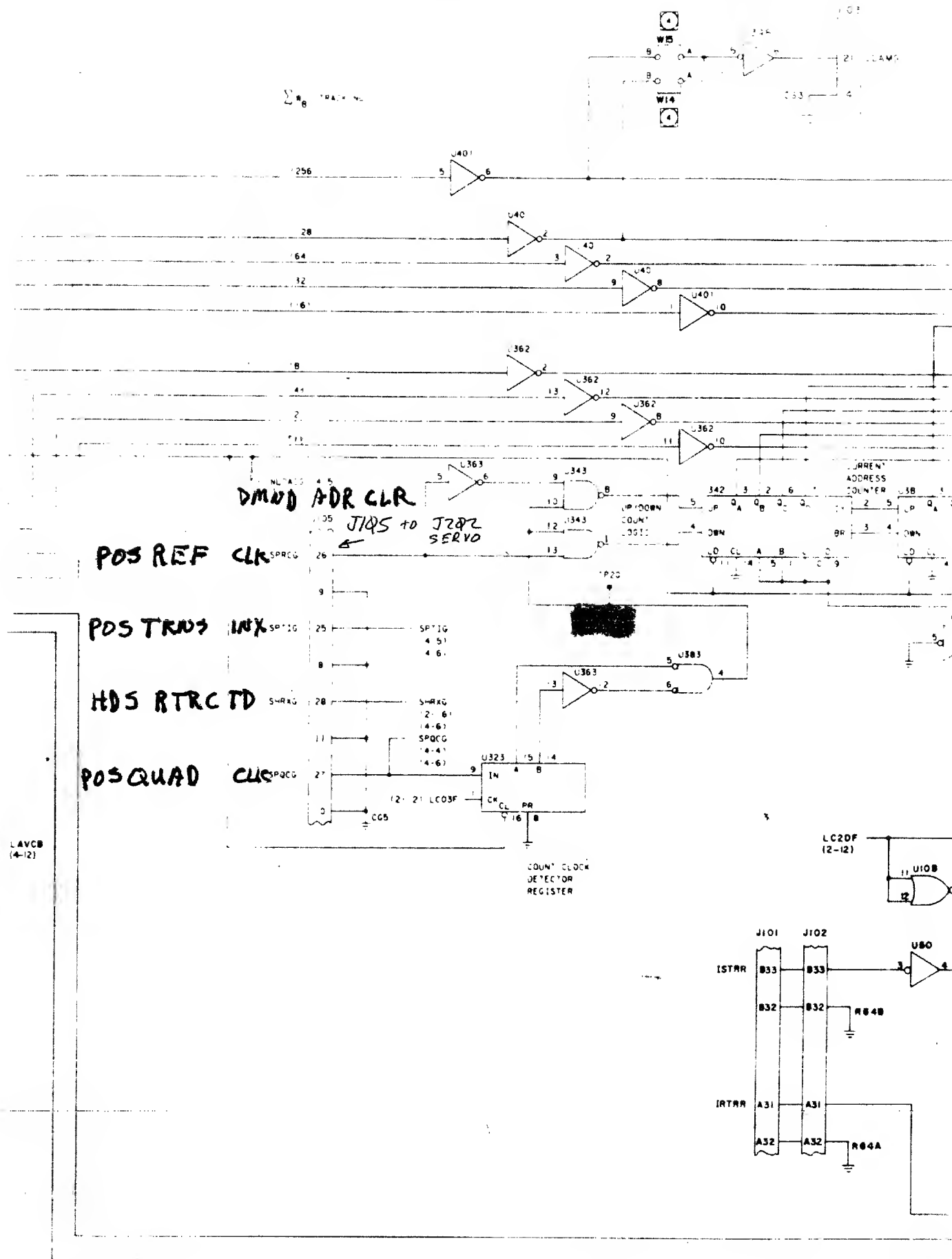


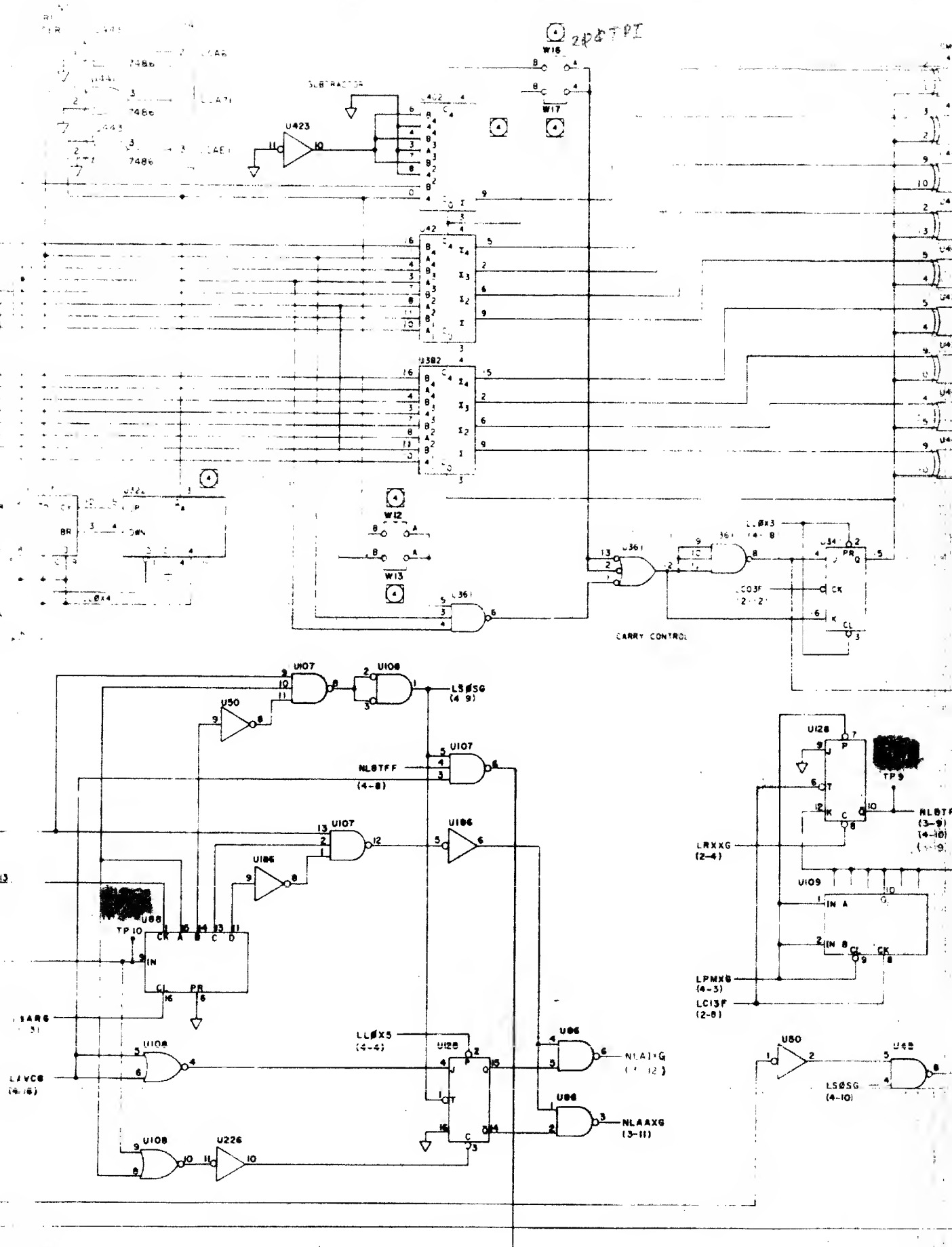
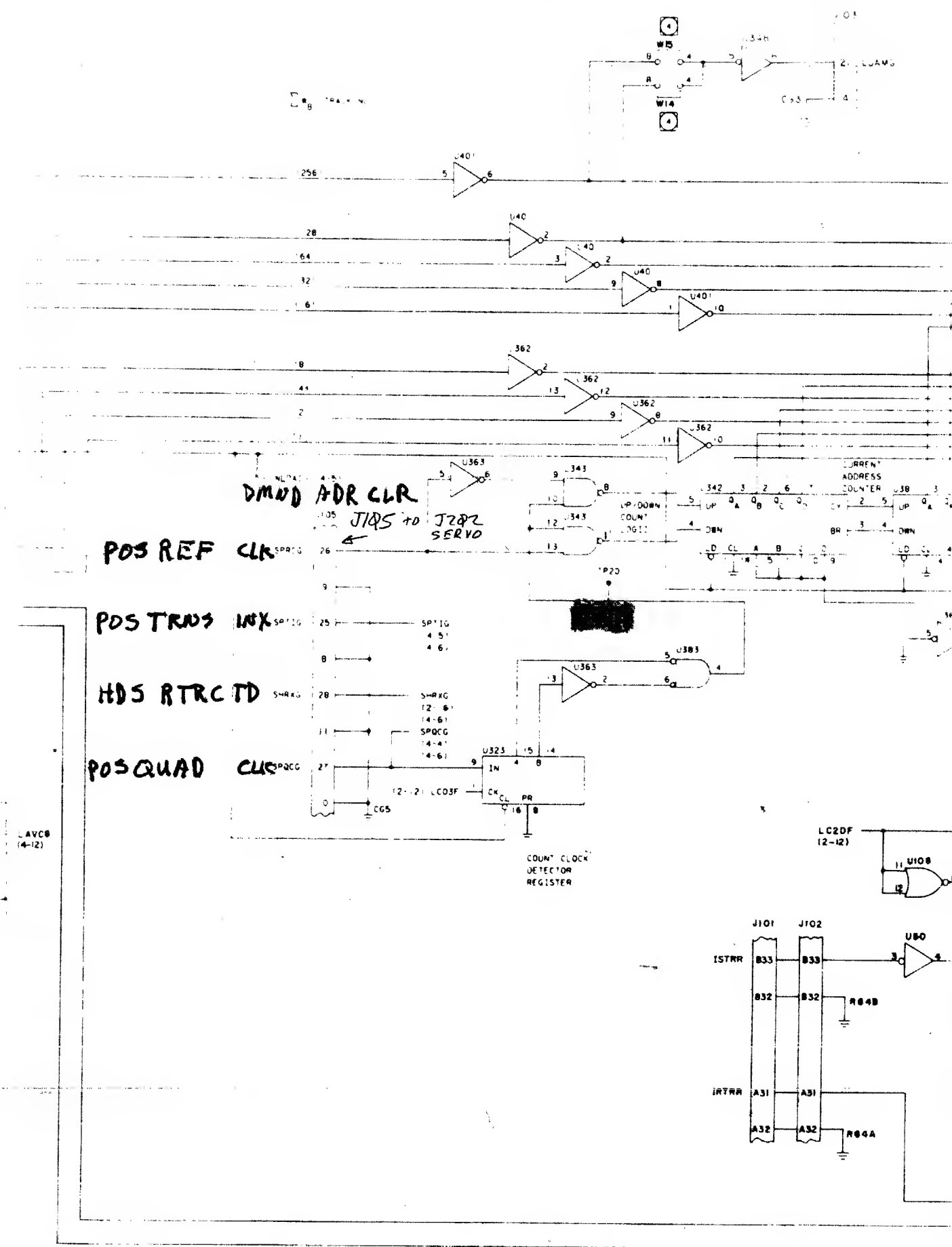
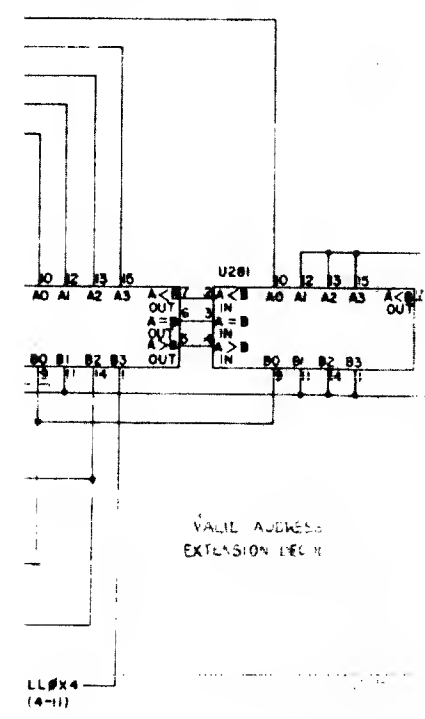
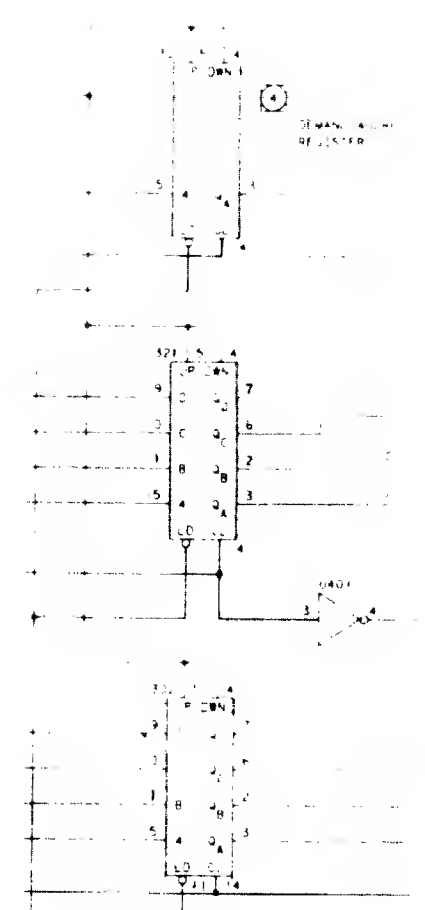


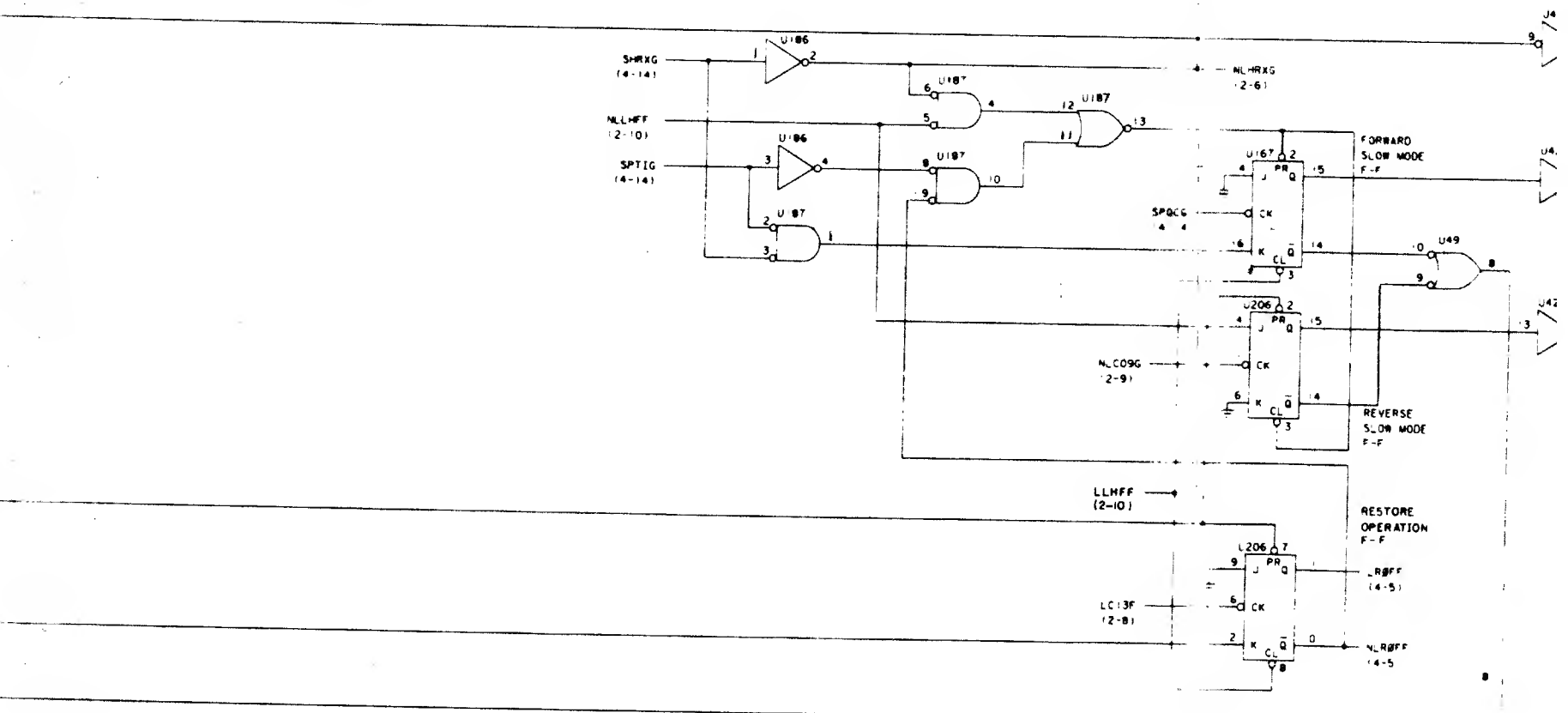
REVISIONS				
REV	DESCRIPTION	DATE	OR	CHK
1	SEE SHEET			

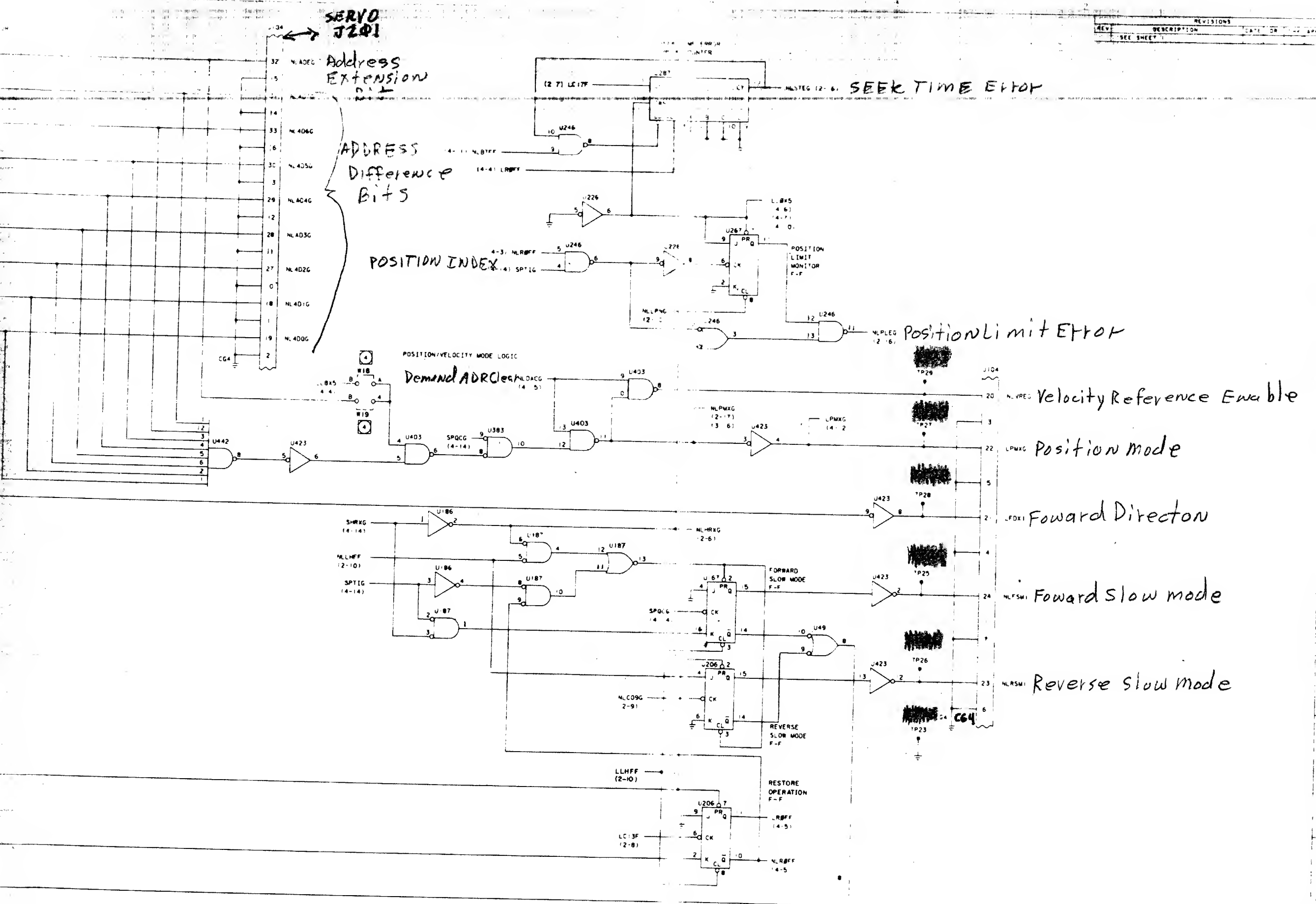


SIZE	DATE	REV	NO	103725	REV	A
SCALE	SCALE	SCALE	SCALE	SCALE	SCALE	SCALE
SCALE	SCALE	SCALE	SCALE	SCALE	SCALE	SCALE









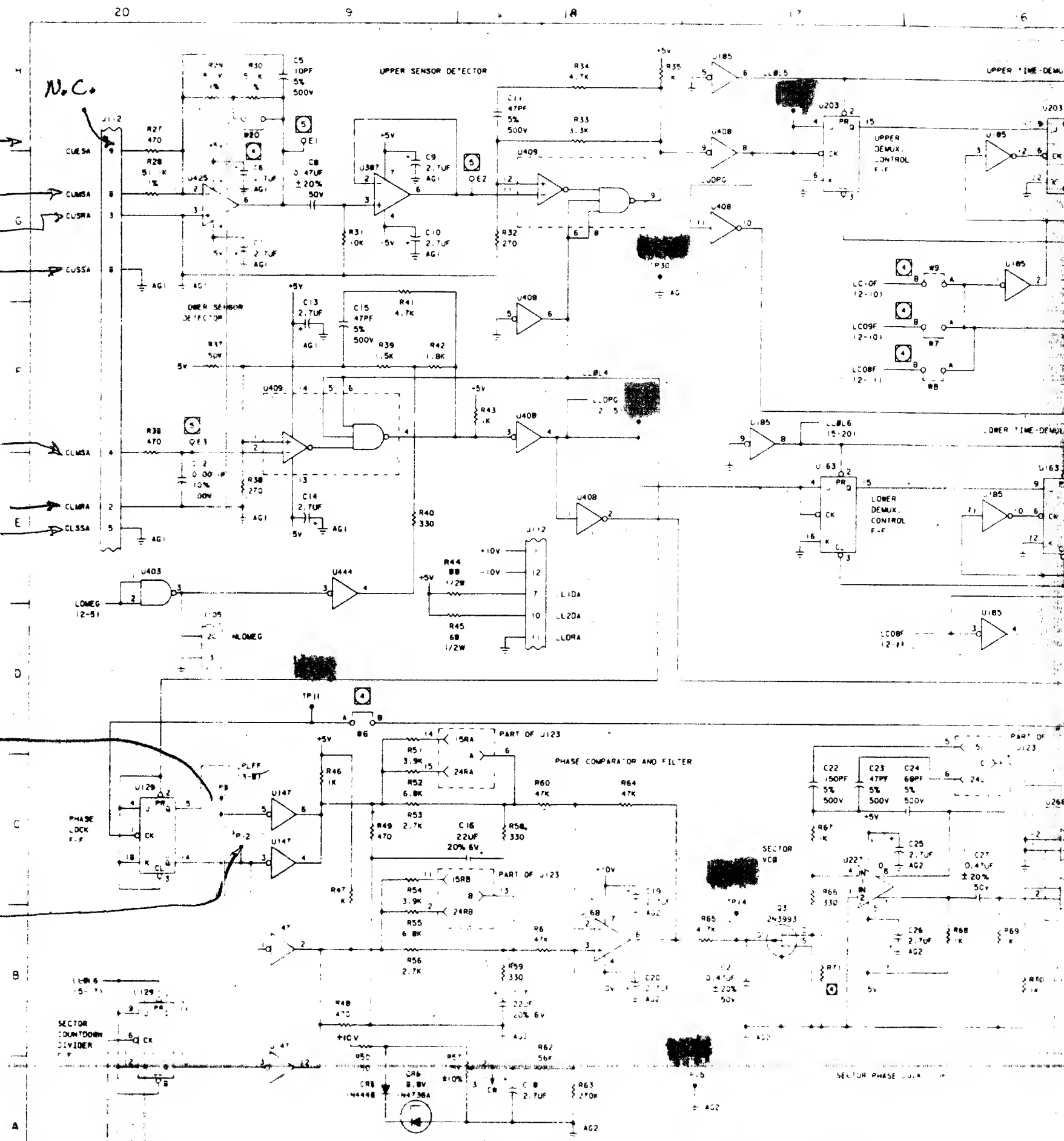
U425 - 7410N  
 U387 - 741CN  
 U409 - 75107A

UPPER SENSOR SHIELD →  
 UPPER SENSOR SIGNAL →  
 UPPER SENSOR RTN →  
 UPPER SENSOR SHIELD →

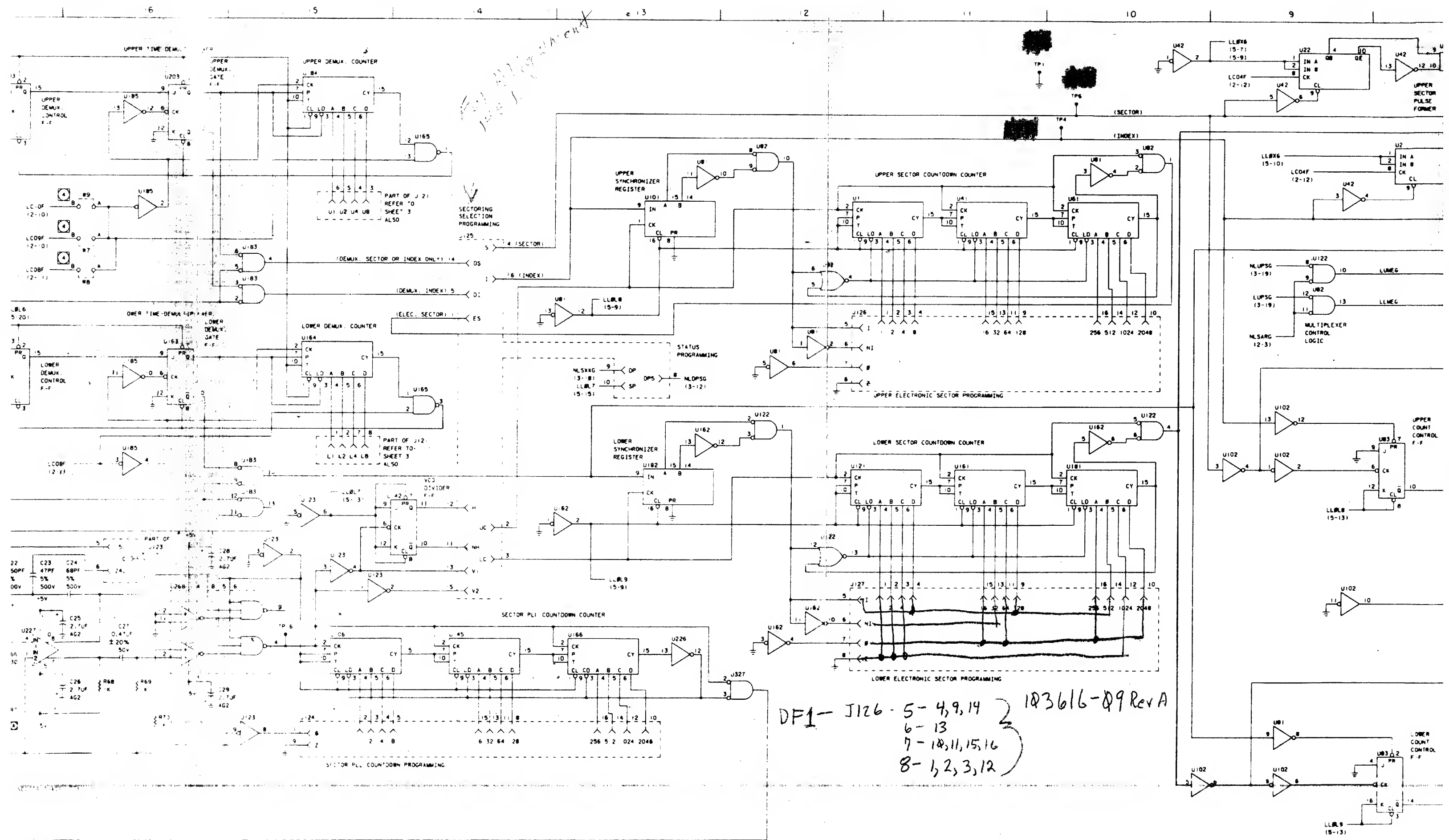
LOWER SENSOR SIGNAL →  
 LOWER SENSOR RTN →  
 LOWER SENSOR SHIELD →

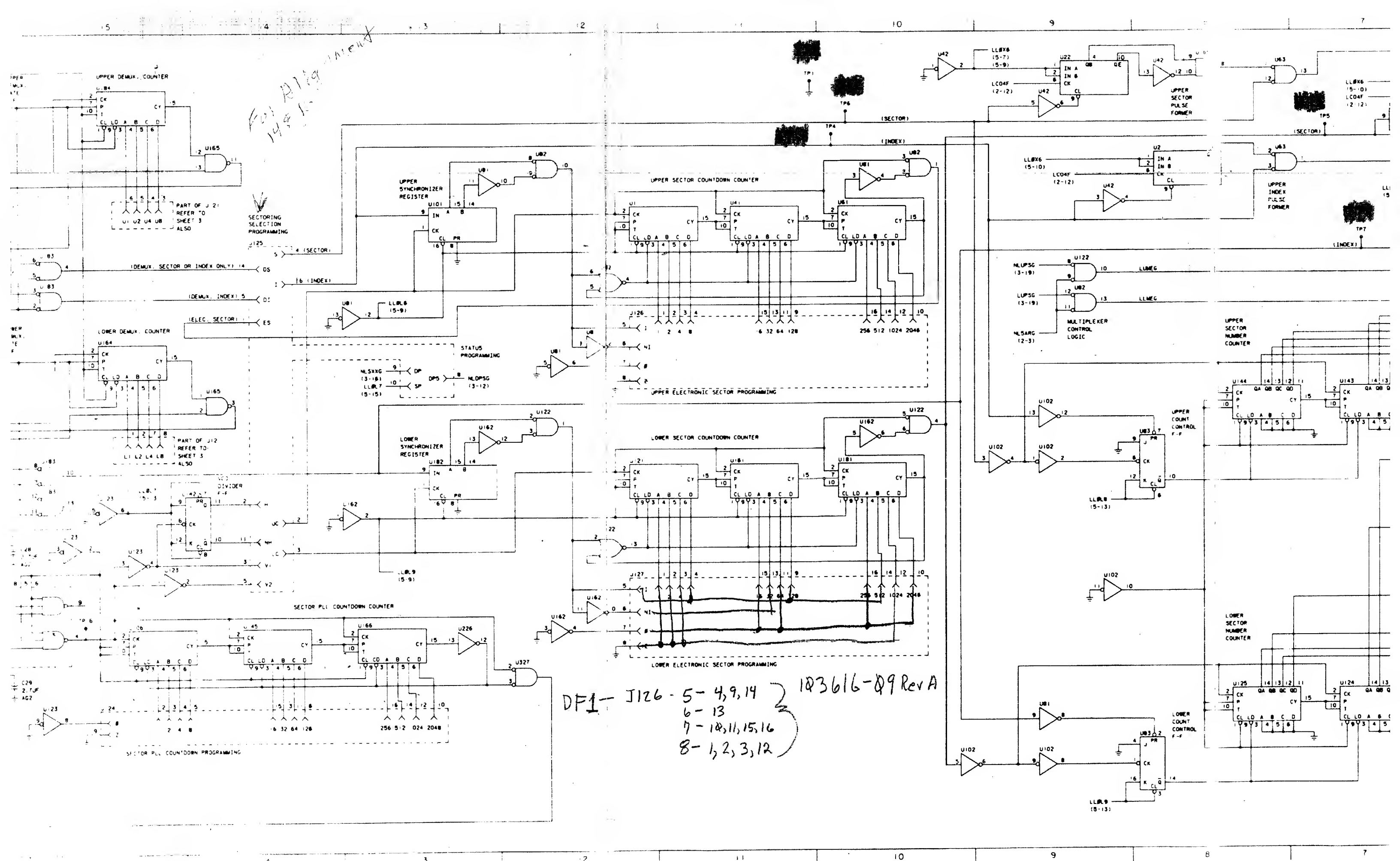
TP8

TP12









DF1-126-5-4,9,14 123616-Q9 Rev A  
6-13  
7-10,11,15,16  
8-1,2,3,12

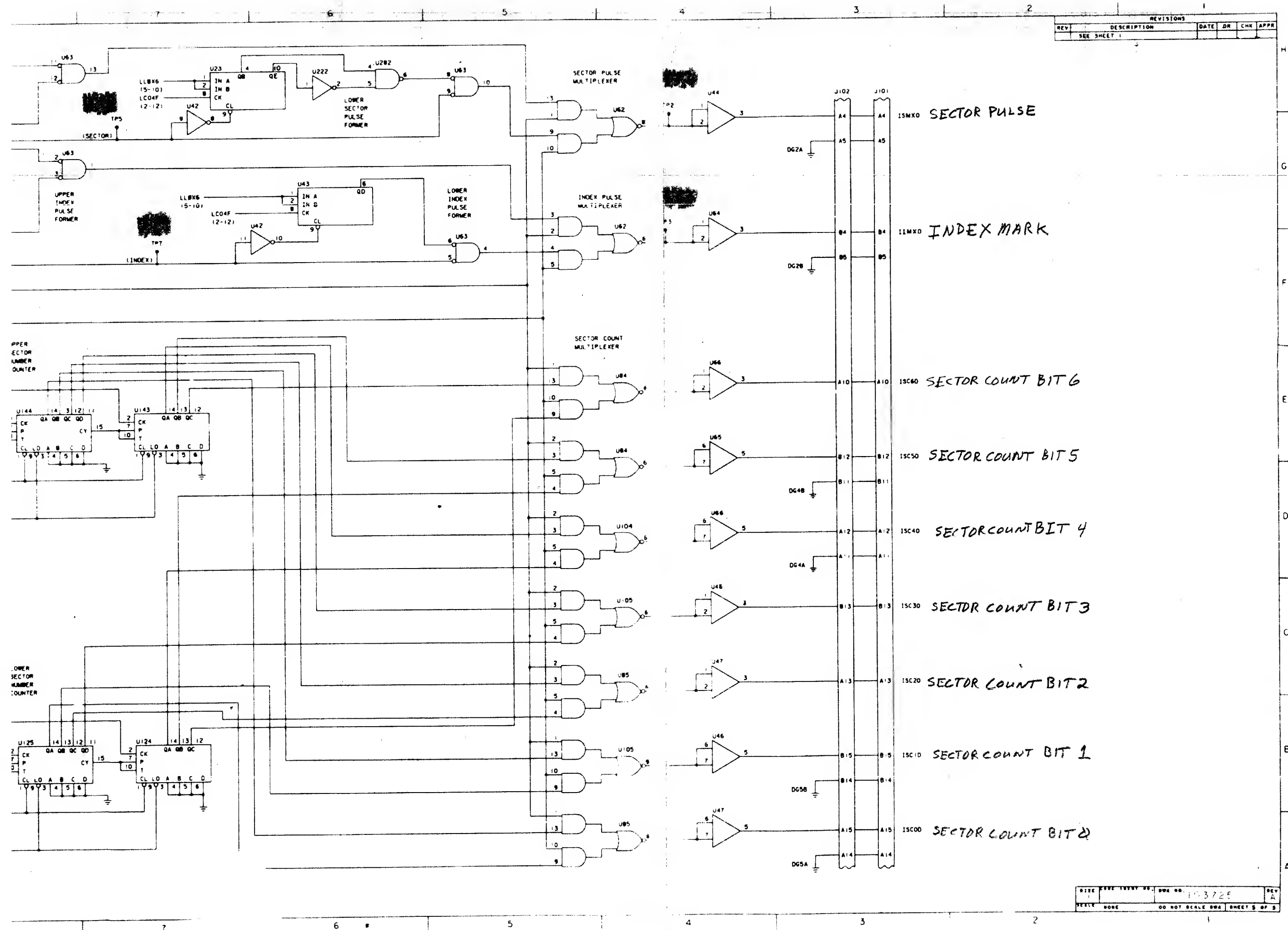


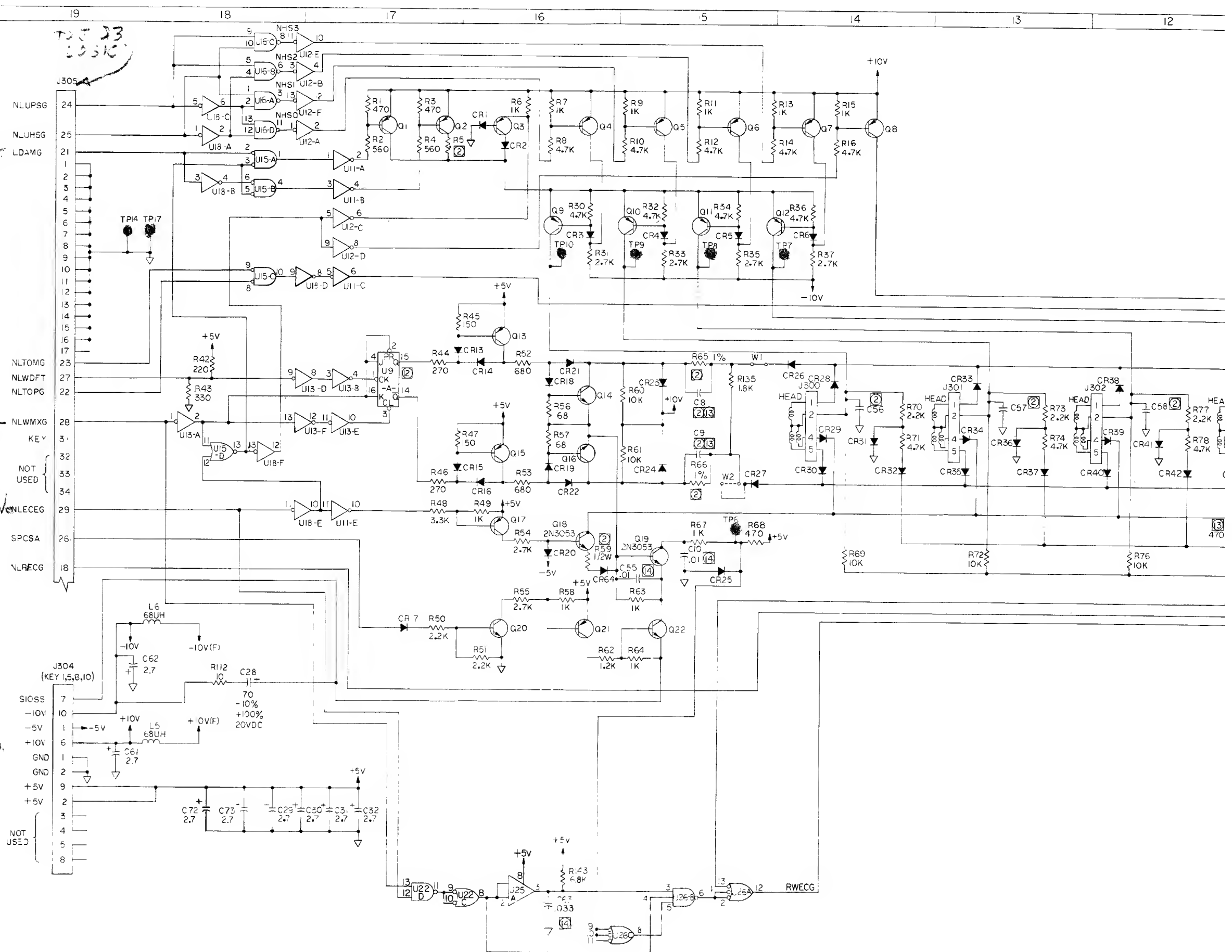
TABLE III

LAST USED	NOT USED
C78	C15,38 THRU 49,64,65,35,1 THRU 6,53,54,66,67,69,70,21
CR69	CR54,57 THRU 63,65,66,7 THRU 10,67,68
J305	
L8	
Q28	Q23,24,25
R160	R94,95,98,117 THRU 133,17 THRU 25,28,29,38,39,40,06, R144 THRU 149,137,138 139 THRU 142
U30	U10,19,23,5 3,6,17, 20,21,24,
VR2	
W3	
TP25	TP3,4,5,11,12,13,20, 21,22

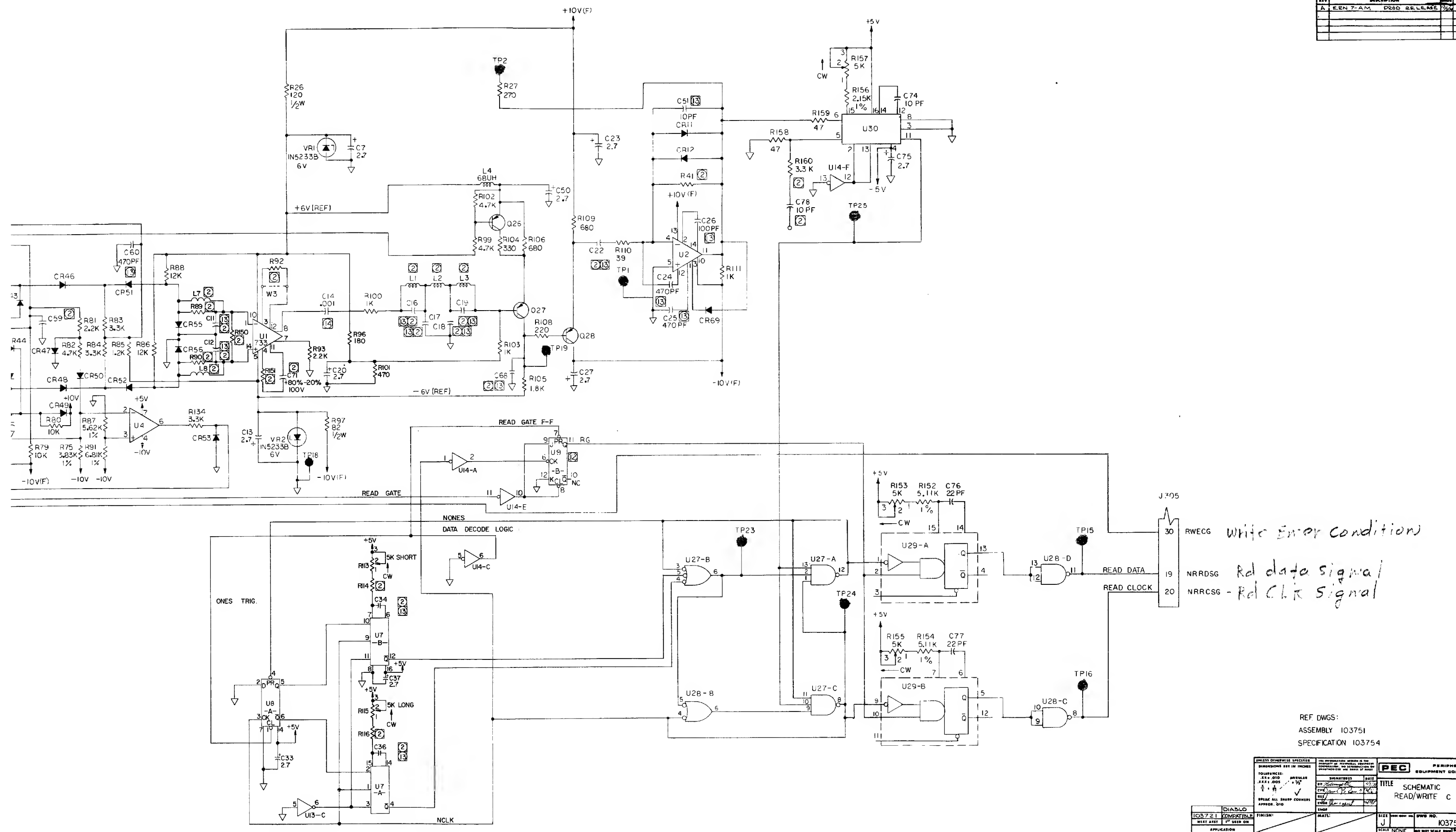
write mode -

Erase "I" Enable

- (15) PIN 8 (U7,29) IS OV.  
PIN 16 (U7,29) IS +5V.
- (14) C10,14,55,63 ARE IN MICROFARADS  $\pm 10\%$  100 VDC.
- (13) C5,21,24,25,52,60,68,51,26,22 34,36,11,12,16,19,8,9,17,18,74,  
76,77,78 ARE IN PICO FARADS, 5%, 500VDC.
- (12) PIN NO.5 (U9) IS +5V.  
PIN NO.13 (U9) IS OV.
- (11) FOR LAST USED AND DELETED REF DESIG. SEE TABLE III.
10. CONNECTORS ARE NUMBERED FROM J300.
9. PIN NO.7 OF ALL IC'S IS OV.
- PIN NO.14 OF ALL IC'S IS +5V.
8. ALL NPN TRANSISTORS ARE 2N4123.
7. ALL PNP TRANSISTORS ARE 2N4125.
6. ALL DIODES ARE IN4446.
5. ALL CAPACITOR VALUES ARE IN MICROFARADS, 20%, 35 VDC.
4. ALL RESISTOR VALUES ARE IN OHMS, 5%, 1/4W.
3. FOR PCB A, SEE DWG. NO. 103751.  
FOR SPEC., SEE DWG. NO. 103754.
- (2) FOR VALUE, PART NO. AND USAGE OF COMPONENTS  
AFFECTED BY VERSION NO., SEE TABLE II
- (1) FOR PART NO. OF COMPONENTS NOT AFFECTED  
BY VERSION NO., SEE TABLE I.
- NOTES: UNLESS OTHERWISE SPECIFIED



REVISIONS		
REV	DESCRIPTION	DATE
A	EEN 7-AM DESO RELEASE	7/77



REF DWGS:  
ASSEMBLY 103751  
SPECIFICATION 103754

UNLESS OTHERWISE SPECIFIED		THE INFORMATION HEREIN IS THE PROPERTY OF PERIODIC EQUIPMENT CONTROLS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.	
DIMENSIONS ARE IN INCHES		PERIODIC EQUIPMENT CO.	
TOLERANCES:		TITLE	
FRACTIONS		SCHEMATIC	
DECIMALS		READ/WRITE	
.005		C	
.010			
.015			
.020			
.030			
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① TABLE I

PART NO.	REF DESIGNATION
100-1005	R112
↑ -1025	R6,7,9,11,13,5, 49,58, 63,64,100,103,111, 67
-1035	R60,61,69,72,76,79,80
-1225	R62,85
-1235	R86,88
-1515	R45,47
-1815	R96
-1825	R105,135
-2215	R42,108
-2225	R50,51, 70,73,778,93
-2715	R27,4446
-2725	R31,33,35,37,54,55
-3315	R43,104
-3325	R48,83, 84,134
-3905	R110
-4705	R158,159
-4715	R1,3,68, 101
-4725	R8,10,12,14,16,30,32,34,36 71,74,78,82,99,102
-5615	R2,4
-6815	R106,52,53,109
↓ -6825	R143
100-6805	R56,57
101-1215	R26
101-8205	R97
104-2151	R156
104-5111	R152,154
104-3831	R75
104-5621	R87
104-6811	R91
121-5020	R113, 115,153,155,157
130-1005	C51,74
130-1015	C26,
130-2205	C76,77
130-4715	C24,52,60,25

① TABLE I

PART NO.	REF DESIGNATION
131-1020	C14
131-1030	C10,55
131-3330	C63
132-2752	C7,13,20,23,27,29,30, 31,32,33, 37,50 61,62,72,73,75
133-7060	C28
200-3053	Q18,19
200-4123	Q14,16,20,22
200-4125	Q1 THRU Q13,15,17,21,26, 27,28
300-4446	CRI THRU 6,11 THRU 53, 55,56,64,69
331-0605	VRI,2
400-0715	U2
400-2741	U4
515-6805	L4,5,6
700-4123	U7,29
700-4740	U8
700-0001	U9
↑ -0002	U13,14
-0003	U22
-4000	U28
-5733	U1
-7400	U16
-7402	U15
-7404	U18
-7410	U26
-7416	U11,12
↓ 700-7545	U25
700-4010	U27
700-8020	U30
690-0022	W1,2

DESCRIPTION	ASSEMBLY 103751 DASH NO	VERSION		R41		W3			C8,C9		C11,C12		C16,C19		C17,C18		C22		
		100 TPI	200 TPI	VALUE	PART NO.	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE
2400 RPM	-01	X		4.3K	100-4325	100373-02			68 PF	130-6805	22 PF	130-2205	43 PF	130-4305	56 PF	130-5605	330 PF	130-3315	↑ OMIT
2200 BPI																			
1500 RPM	-02	X		4.3K	100-4325	100373-02			68 PF	130-6805	43 PF	130-4305	56 PF	130-5605	68 PF	130-6805	560 PF	130-5615	↑
2200 BPI																			
2400 RPM	-03		X	4.3K	100-4325	OMIT			68 PF	130-6805	22 PF	130-2205	43 PF	130-4305	56 PF	130-5605	330 PF	130-3315	↑
2200 BPI																			
1500 RPM	-04		X	4.3K	100-4325	OMIT			68 PF	130-6805	43 PF	130-4305	56 PF	130-5605	68 PF	130-6805	560 PF	130-5615	↓ OMIT
2200 BPI																			

② TABLE II (CONT'D)

DESCRIPTION	ASSEMBLY 103751 DASH NO.	VERSION		R160		R150		R151		R89,90		R114,116,118,14W	
		100 TPI	200 TPI	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.
2400 RPM	-01	X		OMIT		OMIT	—	OMIT	—	470	100-4715	5.62K	104-5621
2200 BPI				↑		OMIT	—	OMIT	—	470	100-4715	4.64K	104-4641
1500 RPM	-02	X											
2200 BPI													
2400 RPM	-03		X			5.6K	100-5625	15	100-1505	OMIT	—	5.62K	104-5621
2200 BPI													
1500 RPM	-04		X	OMIT		5.6K	100-5625	15	100-1505	OMIT	—	4.64K	104-4641
2200 BPI				↓									

① TABLE I

PART NO.	REF DESIGNATION
100-1005	R112
↑ -1025	R6,7,9,11,13,15, 49,58, 63,64,100,103,111, 67
-1035	R60,61,69,72,76,79,80
-1225	R62,85
-1235	R86,88
-1515	R45,47
-1815	R96
-1825	R105,135
-2215	R42,108
-2225	R50,51, 70,73,77,81,93
-2715	R27,44,46
-2725	R31,33,35,37,54,55
-3315	R43,104
-3325	R46,83, 84,134
-3905	R110
-4705	R158,159
-4715	R1,3,68, 101
-4725	R8,10,12,14,16,30,32,34,36 71,74,78,82,99,102
-5615	R2,4
-6815	R106,52,53,109
↓ -6825	R143
100-6805	R56,57
101-1215	R26
101-8205	R97
104-2151	R156
104-5111	R152,154
104-3831	R75
104-5621	R87
104-6811	R91
121-5020	R113, 115,153,155,157
130-1005	C51,74
130-1015	C26,
130-2205	C76,77
130-4715	C24,52,60,25

① TABLE I

PART NO.	REF DESIGNATION
131-1020	C14
131-1030	C10, 55
131-3330	C63
132-2752	C7,13,20,23,27,29,30, 31,32, 33, 37,50 61,62,72, 75
133-7060	C28
200-3053	Q18,19
200-4123	Q14,16,20,22
200-4125	Q1 THRU Q13,15,17,21,26, 27,28
300-4446	CR1 THRU 6,11 THRU 53, 55,56,64,69
331-0605	VRI,2
400-0715	U2
400-2741	U4
515-6805	L4,5,6
700-4123	U7,29
700-4740	U8
700-0001	U9
↑ -0002	U13, 14
-0003	U22
-4000	U28
-5733	U1
-7400	U16
-7402	U15
-7404	U18
-7410	U26
-7416	U11,12
↓ 700-7545	U25
700-8020	U30
690-0022	W1,2

DESCRIPTION	ASSEMBLY 103751 DASH NO	VERSION		R41		W3				C8,C9		C11,C12		C16,C19		C17,C18		VALUE
		100 TPI	200 TPI	VALUE	PART NO.	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	
2400 RPM	-01,-05	X		4.3K	100-4325	100373-02			68 PF	130-6805	22 PF	130-2205	43 PF	130-4305	56 PF	130-5605	330 PF	
2200 BPI																		
1500 RPM																		
2200 BPI	-02,-06	X		4.3K	100-4325	100373-02			OMIT		43 PF	130-4305	56 PF	130-5605	68 PF	130-6805	560 PF	
2400 RPM																		
2200 BPI																		
1500 RPM	-03,-07		X	4.3K	100-4325	OMIT			68 PF	130-6805	22 PF	130-2205	43 PF	130-4305	56 PF	130-5605	330 PF	
2400 RPM																		
2200 BPI																		
1500 RPM	-04,-08		X	4.3K	100-4325	OMIT			OMIT		43 PF	130-4305	56 PF	130-5605	68 PF	130-6805	560 PF	
2200 BPI																		

② TABLE II (CONT'D)

DESCRIPTION	ASSEMBLY 103751 DASH NO.	VERSION		R160				R150		R151		R89,90		R114,116,118,14W	
		100 TPI	200 TPI	VALUE	PART NO.			VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.
2400 RPM	-01,-05	X		OMIT				OMIT		OMIT		470	100-4715	5.62K	104-5621
2200 BPI															
1500 RPM															
2200 BPI	-02,-06	X						OMIT		OMIT		470	100-4715	4.64K	104-4641
2400 RPM															
2200 BPI															
2400 RPM	-03,-07		X					5.6K	100-5625	15	100-1505	OMIT		5.62K	104-5621
2200 BPI															
1500 RPM															
2200 BPI	-04,-08		X	OMIT				5.6K	100-5625	15	100-1505	OMIT		4.64K	104-4641

② TABLE II (CONT'D)

DESCRIPTION	ASSEMBLY 103751 DASH NO.	VERSION		J306	U27
		100 TPI	200 TPI	PART NO.	PART NO.
2400 RPM	-01	X		OMIT	700-4010
2200 BPI					
1500 RPM					
2200 BPI	-02	X			
2400 RPM					
2200 BPI					
2400 RPM	-03		X		
2200 BPI					
1500 RPM					
2200 BPI	-04		X	OMIT	700-4010
2400 RPM					
2200 BPI					
2400 RPM	-05	X		103662-01	OMIT
2200 BPI					
1500 RPM					
2200 BPI	-06	X			
2400 RPM					
2200 BPI					
2400 RPM	-07		X		
2200 BPI					
1500 RPM					
2200 BPI	-08		X	103662-01	OMIT



8			7			6			5			4			3			2			1											
																					REVISIONS											
REV																					DESCRIPTION				DATE		BY		CHK		APP	
-																					SEE SHT 1											

TABLE II

			C 34,36		C71		L7,8		C56,57,58,59		L1,L3		L2		R5		R59		R65,R66		R92				C68	
T NO	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.
			68 PF	130-6805	OMIT	---	OMIT	---	OMIT	---	24 UH	515-2405	68 UH	515-6805	33	100-3305	100	101-1015	464	104-4640	OMIT	---			33 PF	130-3305
			150 PF	130-1515	OMIT	---	OMIT	---	OMIT	---	33 UH	515-3305	68 UH	515-6805	33	100-3305	100	101-1015	464	104-4640	OMIT	---			47 PF	130-4705
			68 PF	130-6805	.05	135-5062	33UH	515-3305	OMIT	---	24 UH	515-2405	68 UH	515-6805	33	100-3305	100	101-1015	464	104-4640	OMIT	---			33 PF	130-3305
			150 PF	130-1515	.05	135-5062	33UH	515-3305	OMIT	---	33 UH	515-3305	68 UH	515-6805	33	100-3305	100	101-1015	464	104-4640	OMIT	---			47 PF	130-4705

DIABLO

103721 COMPATIBLE

NEXT ASBY 1ST USED ON APPLICATION

FINISH:

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

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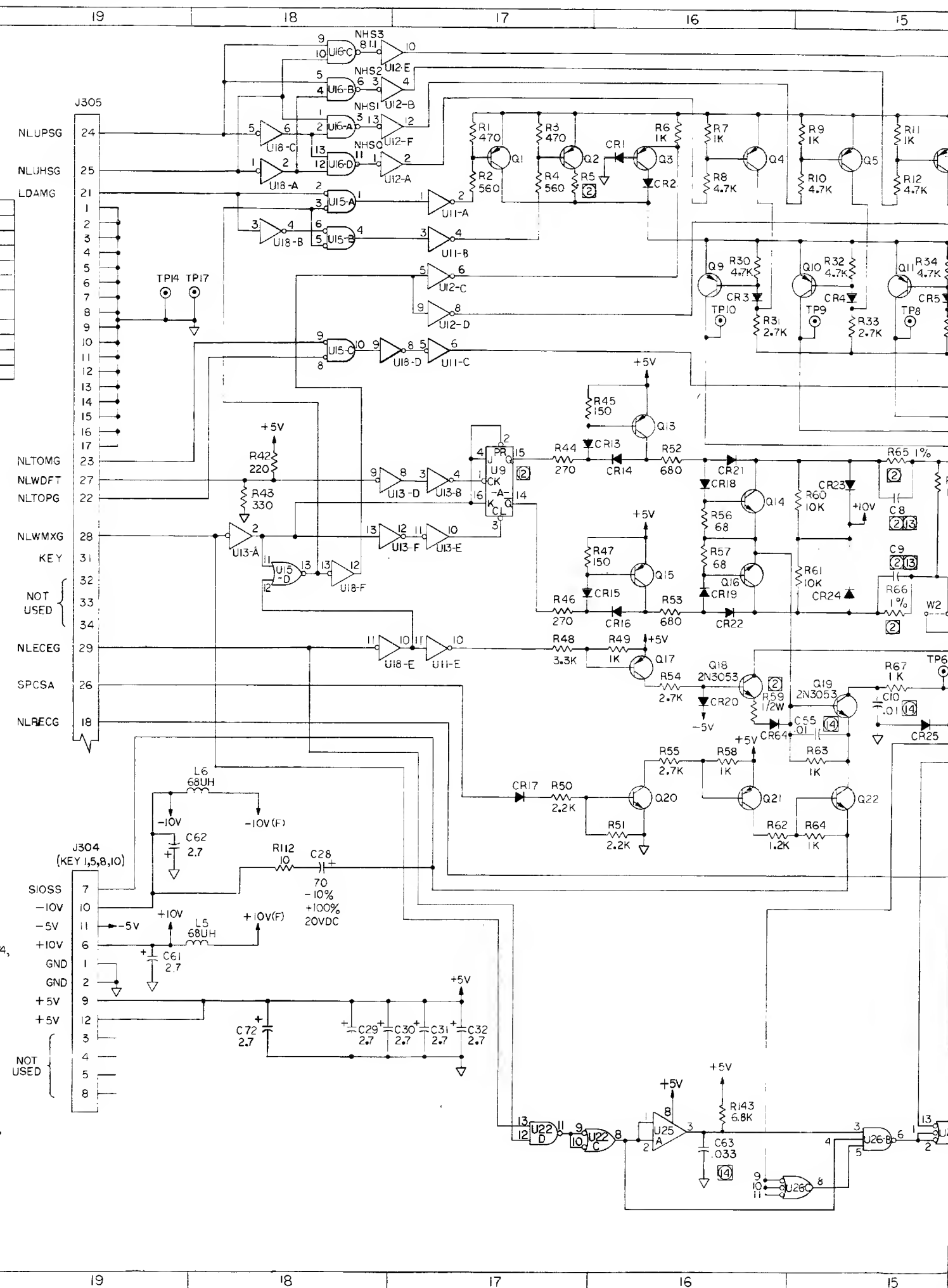
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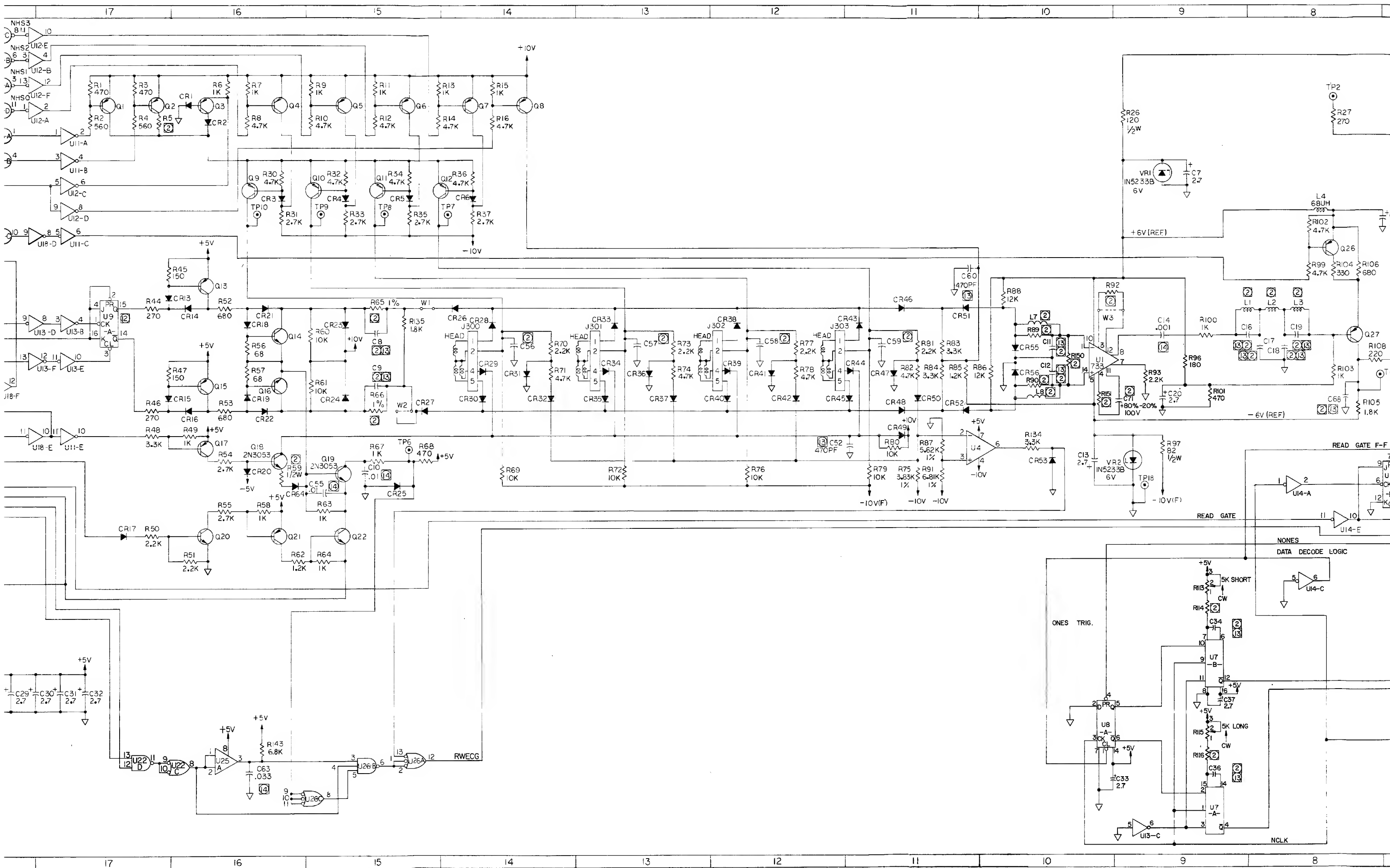
LAST USED	NOT USED
C78	C15,38 THRU 49,64,65,35,1 THRU 6,53,54,66,67,69,70,21
CR69	CR54,57 THRU 63,65,66,7 THRU 10,67,68
J305	
L8	
Q28	Q23,24,25
R160	R94,95,98,117 THRU 133,17 THRU 25,28,29,38,39,40,106, R144 THRU 149,137,138 139 THRU 142
U30	U10,19,23,5 3,6,17, 20,21,24,
VR2	
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TP25	TP3,4,5,11,12,13,20, 21,22

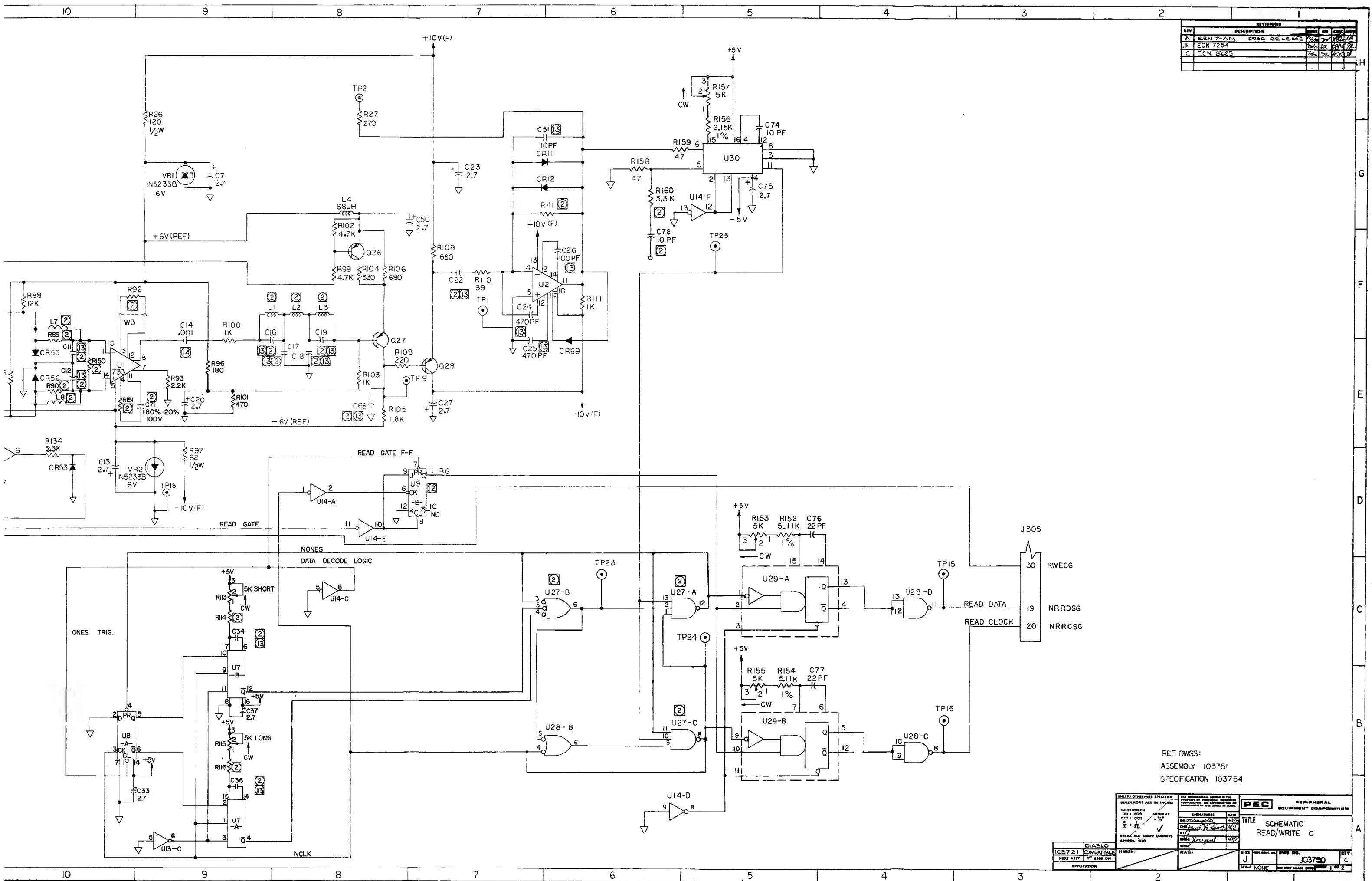
TABLE III (CONT'D)

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C73

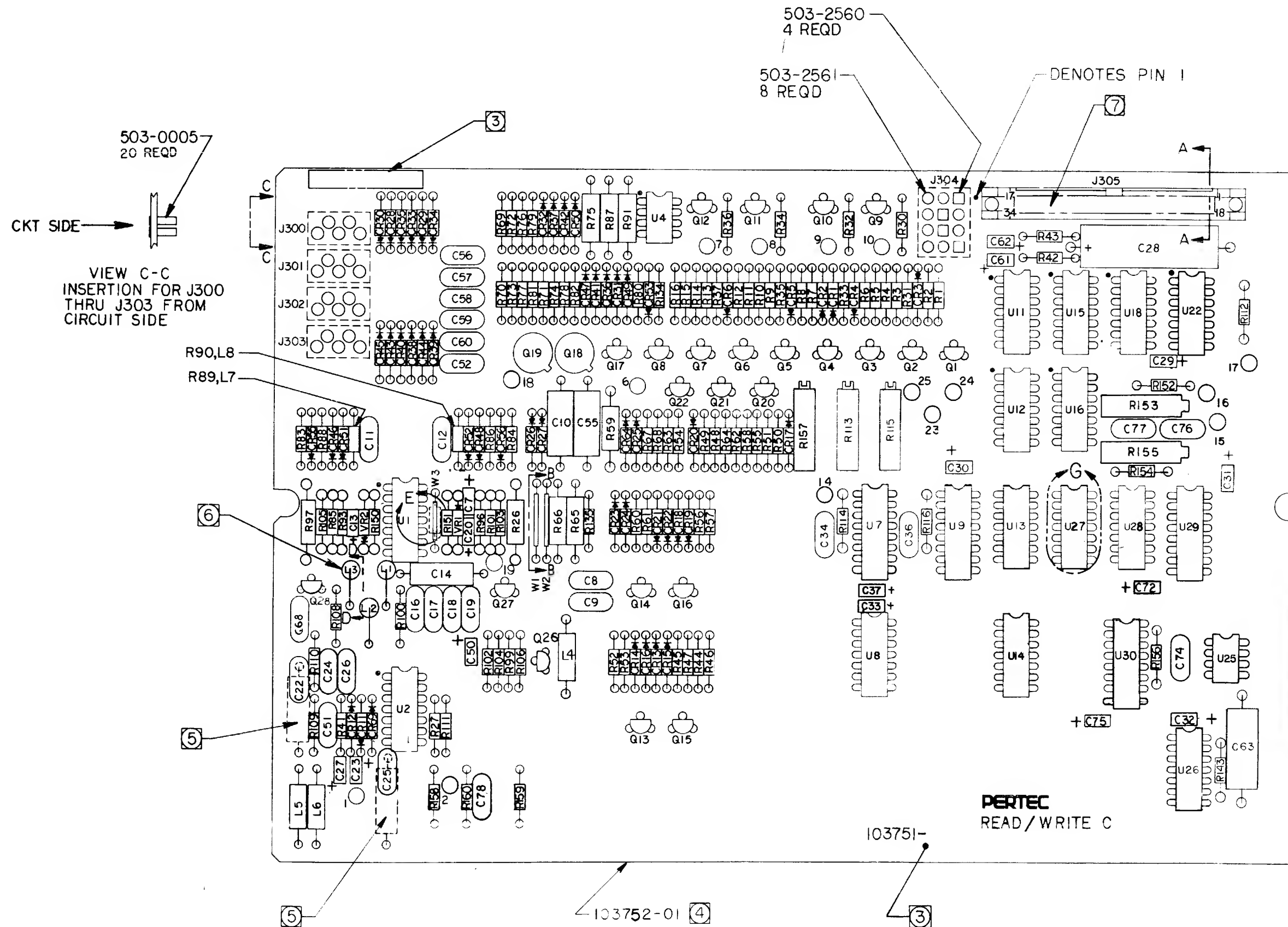
- ⑤ PIN 8 (U7,29) IS 0V.  
 PIN 16 (U7,29) IS +5V.  
 ④ C10,14,55,63 ARE IN MICROFARADS  $\pm 10\%$  100 VDC.  
 ⑬ C5,21,24,25,52,60,68,51,26,22 34,36,11,12,16,19,8,9,17,18,74,  
 76,77,78 ARE IN PICO FARADS, 5%, 50OVDC.  
 ⑫ PIN NO.5 (U9) IS +5V.  
 PIN NO.13 (U9) IS 0V.  
 ⑩ FOR LAST USED AND DELETED REF DESIG., SEE TABLE III.  
 10. CONNECTORS ARE NUMBERED FROM J300.  
 9. PIN NO.7 OF ALL IC'S IS 0V.  
 PIN NO.14 OF ALL IC'S IS +5V.  
 8. ALL NPN TRANSISTORS ARE 2N4123.  
 7. ALL PNP TRANSISTORS ARE 2N4125.  
 6. ALL DIODES ARE IN4446.  
 5. ALL CAPACITOR VALUES ARE IN MICROFARADS, 20%, 35VDC.  
 4. ALL RESISTOR VALUES ARE IN OHMS, 5%, 1/4W.  
 3. FOR PCBA, SEE DWG. NO. 103751.  
 FOR SPEC., SEE DWG. NO. 103754.  
 ② FOR VALUE, PART NO. AND USAGE OF COMPONENTS  
 AFFECTED BY VERSION NO., SEE TABLE II.  
 ① FOR PART NO. OF COMPONENTS NOT AFFECTED  
 BY VERSION NO., SEE TABLE I.  
 NOTES: UNLESS OTHERWISE SPECIFIED



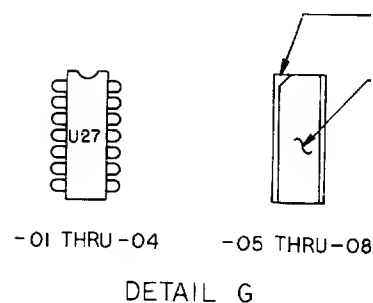








- 8 FOR VERSIONS -05 THRU U27 AS J306.
- 7 REMOVE PIN 31 FOR CONNECTOR
- 6 MOUNT L1, 2 & 3 ON END AS IN VIEW D-D.
- 5 C22 & 25 ALTERNATE CONF SHOWN IN PHANTOM.
- 4 THIS ASSY SHALL BE MADE FROM 103752-01 REV C AND SUBSEQUENT
- 3 MARK PART ASSY VERSION NO AND VERSION ISSUE LETTER.
2. ASSEMBLE PER STANDARD METHOD
1. REFERENCE DRAWINGS: SCHMATIC SPECIFICATIONS
- NOTES: UNLESS OTHERWISE SPECIFIED

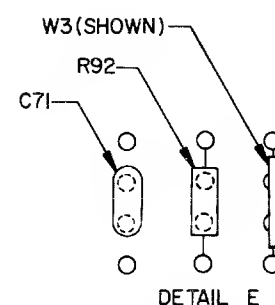
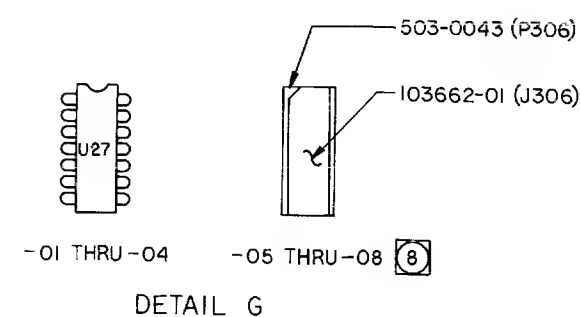
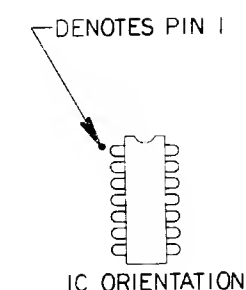
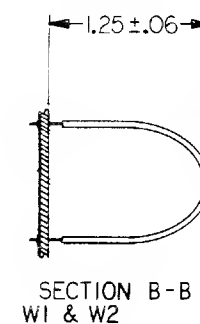
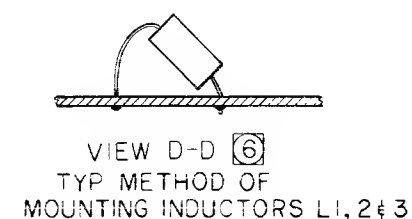
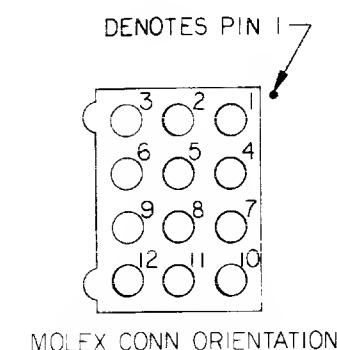
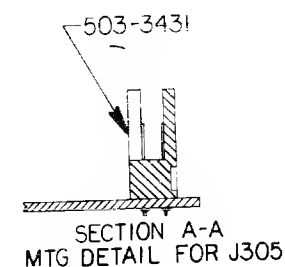




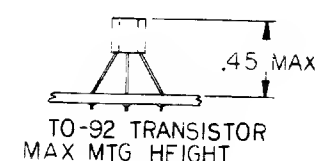
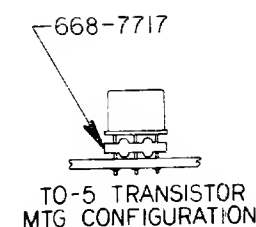
REVISIONS					
REV	DESCRIPTION	DATE	DR	CHK	APPR
A	ERN 7-AM PROD RELEASE	11-18-78	HEM	882	211
B	ECN 7254	11/20/78	SDL	882	211
C	ECN 7726	8-27-79	DMF	882	211

- ⑧ FOR VERSIONS -05 THRU -08 REIDENTIFY U27 AS J306.
  - ⑦ REMOVE PIN 31 FOR CONNECTOR KEYING.
  - ⑥ MOUNT L1, 2 & 3 ON END AS INDICATED IN VIEW D-D.
  - ⑤ C22 & 25 ALTERNATE CONFIGURATION SHOWN IN PHANTOM.
  - ④ THIS ASSY SHALL BE MADE FROM PROCESS BOARD 103752-01 REV C AND SUBSEQUENT.
  - ③ MARK PART ASSY VERSION NO. AND VERSION ISSUE LETTER.
2. ASSEMBLE PER STANDARD MFG METHODS.
  1. REFERENCE DRAWINGS: SCHEMATIC 103750 SPECIFICATION 103754

NOTES: UNLESS OTHERWISE SPECIFIED.



SEE SCHEMATIC 103750 FOR ASSEMBLY INFORMATION



PART NO. 103751-01 REV D

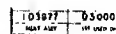
FOR ASSY VERSION INFORMATION SEE SCHEMATIC 103750  
FOR LIST OF MATERIAL SEE LM103751 & APPLICABLE DASH NO.

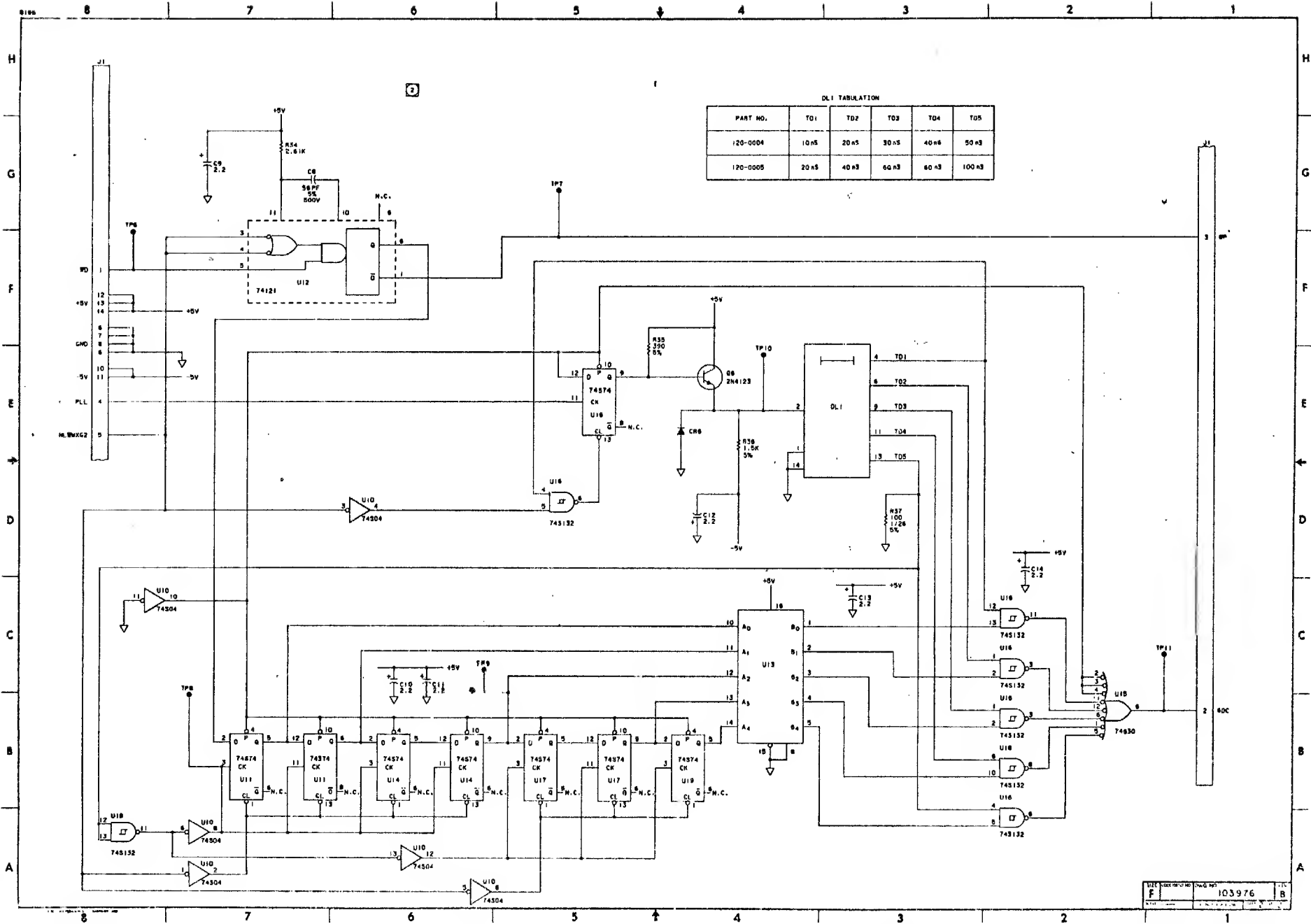
The information herein is the property of PERTEC CORPORATION. No portion of this data shall be released, disclosed, used, or duplicated for procurement or manufacturing purposes without specific written consent of PERTEC.		SIGNATURES		DATE
UNLESS OTHERWISE SPECIFIED		DR: <i>Henry M. Munda</i>		12-12-78
DIMENSIONS ARE IN INCHES		CHK: <i>James B. Davis</i>		12-12-78
TOLERANCES		ENGR:		
XX =		PROJ ENGR: <i>James B. Davis</i>		12/18/78
XXV =				
X =				
X =				
BREAK ALL SHARP CORNERS				
AUSBOY - 010				
FINISH		MATERIAL		
TOP ASSY		SCALE		2/1
NEXT ASSY		DO NOT SCALE DWG		SHEET 1 OF 1
APPLICATION		SIZE		E
		CODE IDENT NO		103751
		DWG NO		103751
		REV		C

PERTEC PERIPHERAL EQUIPMENT

TITLE  
PCBA  
READ / WRITE C

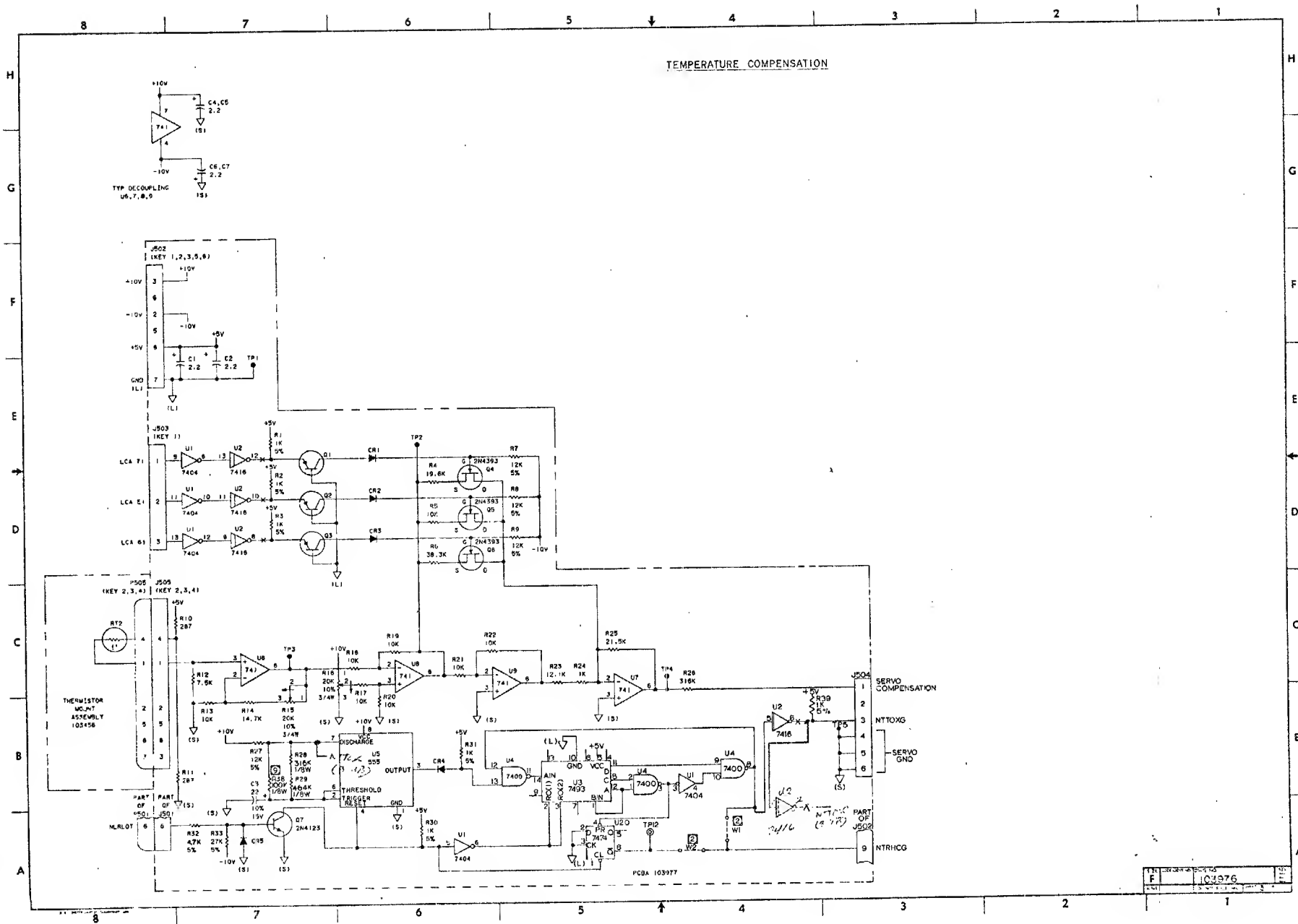


A1



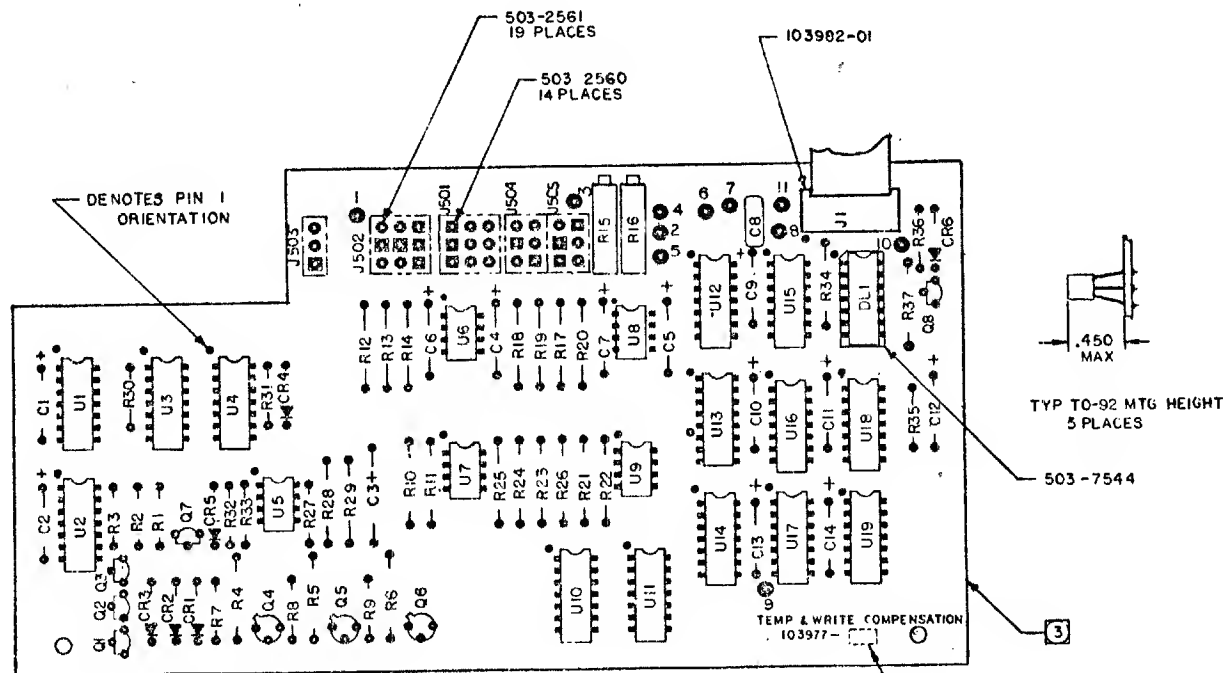
DL1 TABULATION

PART NO.	T01	T02	T03	T04	T05
120-0004	10 nS	20 nS	30 nS	40 nS	50 nS
120-0005	20 nS	40 nS	60 nS	80 nS	100 nS





REVISIONS				
REV	DESCRIPTION	DATE	OR	CHK APP
A	ERN 7-44 PRODUCTION REL	7/5/74		
B	ECN 7713	7/10/74		



SPECIFICATION 103980  
SCHEMATIC 103976  
REF. DRAWINGS

PART NO. 103977-01 REV B

3 THIS ASSEMBLY SHALL BE MADE FROM PROCESS BOARD  
103978-01 REV B AND SUBSEQUENT.

2 MARK VERSION NO. AND VERSION ISSUE LETTER.

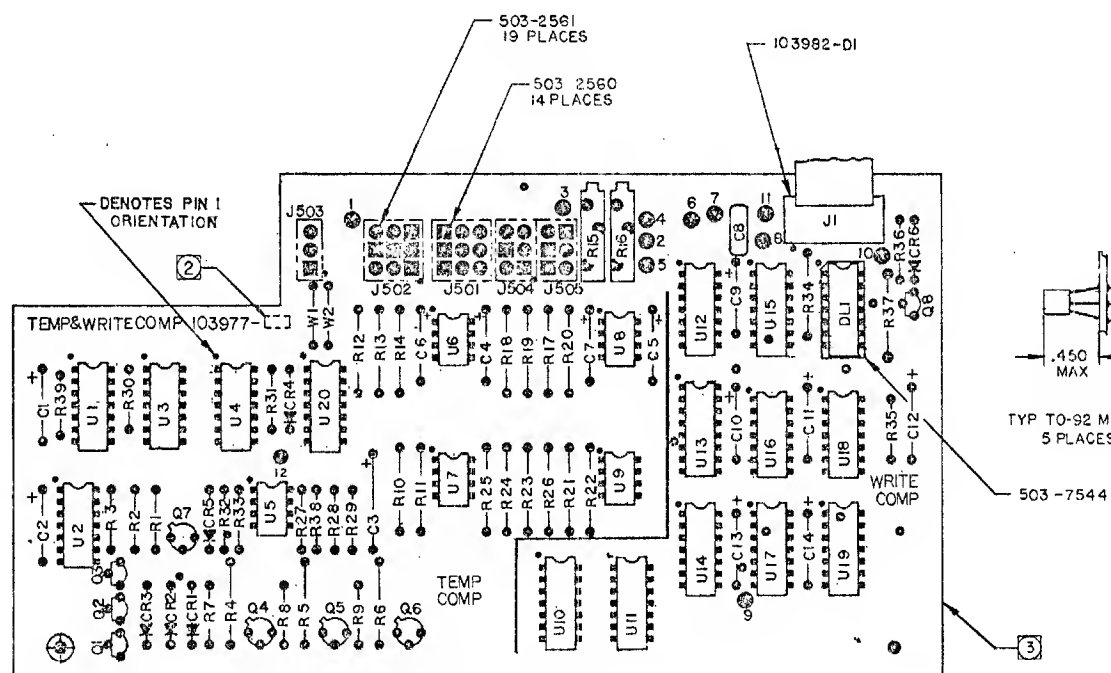
1 ASSEMBLE PER STANDARD MFG METHODS.

NOTES: UNLESS OTHERWISE SPECIFIED

<small>NO INFORMATION IS TO BE RELEASED FROM THIS DOCUMENT TO THE PUBLIC OR TO ANY OTHER PERSONS WITHOUT THE WRITTEN AUTHORIZATION OF PERTEC CORPORATION. THE DESIGN OF THIS PRODUCT IS THE PROPERTY OF PERTEC CORPORATION. IT IS TO BE KEPT IN CONFIDENCE AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.</small>		SIGNATURES DESIGNED BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i> ENGINEER: <i>[Signature]</i> APPROVED BY: <i>[Signature]</i>		DATE 7/10/74
QUALITY CONTROL INSPECTED BY: <i>[Signature]</i> APPROVED BY: <i>[Signature]</i>		PERTEC PERIPHERAL EQUIPMENT TITLE PCBA TEMPERATURE AND WHITE COMPENSATION		
FINISH: <i>[Signature]</i> NEXT ASSY: <i>[Signature]</i> APPLICATION: <i>[Signature]</i>		MATERIAL: SEE L.M.	SIZE: D CAGE IDENT NO: 103977 SCALE: 2/1 DO NOT SCALE DIMS	REV: B 1 OF 1



REVISIONS					
REV	DESCRIPTION	DATE	DR	CHK	APP
A	ECN 7-44 PRODUCTION REL				
B	ECN 7713				
C	ECN 8069				
D	ECN 8464				
E	ECN 8521				



SPECIFICATION 103980  
SCHEMATIC 103976  
REF DRAWINGS

PART NO. 103977-01 REV 6-EEU  
8129

1. THIS ASSEMBLY SHALL BE MADE FROM PROCESS BOARD  
103977-01 REV D AND SUBSEQUENT.

2. MARK VERSION NO. AND VERSION ISSUE LETTER.

3. ASSEMBLE PER STANDARD MFG METHODS.

NOTES: UNLESS OTHERWISE SPECIFIED

SIGNATURES		DATE	PERTEC PERIPHERAL EQUIPMENT	
DESIGNED BY: <i>[Signature]</i>		DATE: <i>1/1/77</i>	TITLE: PCBA	
CHECKED BY: <i>[Signature]</i>		DATE: <i>1/1/77</i>	TEMPERATURE AND WRITE COMPENSATION	
MATERIALS		SIZE	DATE	REV
SEE LM		D	103977	E